# 2004

# FARM MACHINERY RENTAL AND CUSTOM RATE GUIDE

Manitoba

Building for the Future

104-04030/

# FARM MACHINERY

# RENTAL AND

# CUSTOM RATE GUIDE

# 2004

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# INTRODUCTION

This Rental and Custom Rate Guide has been prepared by Manitoba Agriculture, Food and Rural Initiatives to provide information on farm machinery costs, and rental and custom rates for users and owners of farm equipment. The costs and rates are based on average conditions existing in Manitoba in early 2004. The components of each of the rates are shown, so that they can be easily altered in case individual situations differ from those assumed.

**These rates are provided as a guideline and should be interpreted and adjusted if necessary for individual situations.**

**The following conditions and assumptions were used in this guide:**

**NEW COST OF EQUIPMENT** - based on the most recent published list prices less 15% for machines over $100,000; list price less 13.5% for other equipment. Freight costs are assumed to be 1% of new cost for tractors, 1.5% for combines and forage equipment, and 2% for tillage and seeding equipment.

Average sizes shown are based on the above prices. In many cases there is a wide variation in prices for a given size of machine. For example, air seeders may vary plus or minus 30% from the average, depending on the options selected. Where the actual cost of your machine is different for the size shown, the actual cost should be used to determine the appropriate rate.

**ANNUAL HOURS OF USE** - as shown on each chart.

**INTEREST RATE** - 4% per annum. This is the investment interest rate. It represents the opportunity cost of owning the equipment.

**DEPRECIATION RATES** - declining balance method; details given in appendix.

**FIXED COSTS** - total of interest and depreciation costs, plus 1% of new cost per annum for insurance and housing. Based on the average costs over the life of the machine.

**REPAIRS AND MAINTENANCE** - based on surveys by American Society of Agricultural Engineers and Manitoba Agriculture, Food and Rural Initiatives and adjusted for Manitoba Farm Machinery Act warranties where applicable. Includes filters, oil changes, grease, and normal maintenance costs, including labour. Based on the average costs over the life of the machine.

**MARGIN (MARKUP)** - 15% of (total fixed costs plus repairs and maintenance).

**RENTAL RATE** - total of fixed costs, repairs and maintenance, and margin.

**FUEL COST** - based on average fuel consumption from Nebraska Tractor Tests (tractors) and PAMI tests (other self-propelled equipment), a diesel fuel price of $0.50/L, and a gasoline price of $0.56/L.

**LABOUR COST**- as shown on each chart.

**CUSTOM RATE** - total of rental rate, fuel cost and labour cost.

**NOTE**: All above costs are based on the averages over the life of the machine - assumed to be 15 years.The rental and custom rates shown are therefore low for machines less than 6 years old and high for machines older than 7 years.

# NOTES and CALCULATIONS

# TYPICAL COSTS PER ACRE

| | SPEED | MACHINE SIZE or TYPE | RENTAL RATE | CUSTOM RATE |
|---|---|---|---|---|
| **Balers** | | | | |
| (round bales - 15/hr) | | 6'(dia.) x 5'(wide) | $2.50 - $3.70/bale plus twine | $4.50 - $6.50/bale plus twine |
| (square bales - 200/hr) | | 14" x 18" | $0.11- $0.16/bale plus twine | $0.27 -$0.33/bale plus twine |
| (large sq. bales - 40/hr) | | 31.5" x 34" | $2.25 - $3.50/bale plus twine | $4.00 -$6.00/bale plus twine |
| **Bale pickup** | | | | |
| (SP square bale wagon) | | 160 bales | $0.20 - $0.25/bale | $0.27 - $0.35/bale |
| (PT round bale wagon) | | 14 bales | $0.85 - $1.20/bale | $2.50 - $3.50/bale |
| (6 km round trip) | | | | |
| **Combine (SP)** | | | | |
| (Wheat @ 45 bu/ac.) | 3 - 5 mph | 25 ft. | $13.50 - $18.00/ac | $15.50 - $20.00/ac |
| **Cultivator** | | | | |
| (first operation) | 4 - 5 mph | 40 ft. | $1.20 - $1.50/ac | $4.50 - $5.75/ac |
| (secondary operations) | 4.5 - 5.5 mph | 40 ft. | $1.00 - $1.30/ac | $3.75 - $5.00/ac |
| **Grain truck** | | | | |
| (20 mile round trip) | 35 - 50 mph | 600 bu. | $.0023-.0027/bu/mile | $.0041-.0045/bu/mile |
| (60 mile round trip) | | 600 bu. | $.0018-.0023/bu/mile | $.0032-.0037/bu/mile |
| **Harrows** | 5.5 - 7 mph | 80 ft. | $0.40 - $0.50/ac | $1.75 - $2.25/ac |
| **Mower conditioner** | 4 - 6 mph | 14 ft. | $5.00 - $5.75/ac | $8.50 - $9.75/ac |
| **Seeders** | | | | |
| (air seeder) | 4 - 5 mph | 40 ft. | $4.50 - $5.75/ac | $7.50 - $9.50/ac |
| (air drill) | 4 - 5 mph | 40 ft. | $6.00 -$7.25/ac | $10.00 - $12.50/ac |
| (drill) | 4 - 5 mph | 40 ft. | $4.00 - $5.00/ac | $6.50 - $8.50/ac |
| **Sprayers** | | | | |
| (Pull type) | 5 - 8 mph | 100 ft. | $1.50 - $2.00/ac | $3.00 - $3.50/ac |
| (Self-Propelled) | 12-15 mph | 80 ft. | $2.50 - $3.25/ac. | $3.00 - 4.00/ac. |
| **Tractors** | 4 - 7 mph | 2WD | $0.18 - $0.21/hphr. | add $0.08 - 0.10/hphr. |
| | | FWA | $0.22 - $0.25/hphr. | for fuel and $10/h |
| | | 4WD | $0.17 - $0.20/hphr. | for labour |
| **Windrower (PTO)** | 4 - 5.5 mph | 25 ft. | $1.95 - $2.35/ac | $4.00 - $5.00/ac |
| **Windrower (SP)** | 4 - 5.5 mph | 25 ft. | $6.00 - $7.50/ac | $7.50 - $9.00/ac |

# TRACTORS

| New Cost | Average size PTO power | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|---|
| | | | dollars per hour | | | | | | |
| **TWO WHEEL DRIVE TRACTORS** | | | | | | | | | |
| $30,000 | 45kW(60 hp)* | 300 | 8.56 | 1.20 | 1.46 | 11.22 | 4.18 | 10.00 | 25.40 |
| | | **450** | **5.71** | **1.50** | **1.08** | **8.29** | **4.18** | **10.00** | **22.46** |
| | | 600 | 4.28 | 1.80 | 0.91 | 6.99 | 4.18 | 10.00 | 21.17 |
| $45,000 | 60 kW(80 hp)* | 300 | 12.84 | 1.80 | 2.20 | 16.84 | 6.26 | 10.00 | 33.10 |
| | | **450** | **8.56** | **2.25** | **1.62** | **12.43** | **6.26** | **10.00** | **28.70** |
| | | 600 | 6.42 | 2.70 | 1.37 | 10.49 | 6.26 | 10.00 | 26.75 |
| $60,000 | 75kW(100 hp)* 60 kW(80 hp) | 300 | 17.12 | 2.40 | 2.93 | 22.45 | 6.60 | 10.00 | 39.05 |
| | | **450** | **11.41** | **3.00** | **2.16** | **16.58** | **6.60** | **10.00** | **33.18** |
| | | 600 | 8.56 | 3.60 | 1.82 | 13.98 | 6.60 | 10.00 | 30.58 |
| $75,000 | 75kw(100 hp) | 300 | 21.40 | 3.00 | 3.66 | 28.06 | 8.25 | 10.00 | 46.31 |
| | | **450** | **14.27** | **3.75** | **2.70** | **20.72** | **8.25** | **10.00** | **38.97** |
| | | 600 | 10.70 | 4.50 | 2.28 | 17.48 | 8.25 | 10.00 | 35.73 |
| $90,000 | 89kW(120 hp) | 300 | 25.68 | 3.60 | 4.39 | 33.67 | 9.90 | 10.00 | 53.57 |
| | | **450** | **17.12** | **4.50** | **3.24** | **24.86** | **9.90** | **10.00** | **44.76** |
| | | 600 | 12.84 | 5.40 | 2.74 | 20.98 | 9.90 | 10.00 | 40.88 |
| $105,000 | 104kW(140 hp) | 300 | 29.96 | 4.20 | 5.12 | 39.28 | 11.55 | | 50.83 |
| | | **450** | **19.97** | **5.25** | **3.78** | **29.01** | **11.55** | **10.00** | **50.56** |
| | | 600 | 14.98 | 6.30 | 3.19 | 24.47 | 11.55 | 10.00 | 46.02 |
| $120,000 | 120kW(160 hp) | 300 | 34.24 | 4.80 | 5.86 | 44.90 | 13.20 | 10.00 | 68.10 |
| | | **450** | **22.83** | **6.00** | **4.32** | **33.15** | **13.20** | **10.00** | **56.35** |
| | | 600 | 17.12 | 7.20 | 3.65 | 27.97 | 13.20 | 10.00 | 51.17 |
| $140,000 | 142kW(190 hp) | 300 | 39.95 | 5.60 | 6.83 | 52.38 | 15.40 | 10.00 | 77.78 |
| | | **450** | **26.63** | **7.00** | **5.04** | **38.68** | **15.40** | **10.00** | **64.08** |
| | | 600 | 19.97 | 8.40 | 4.26 | 32.63 | 15.40 | 10.00 | 58.03 |
| $160,000 | 160kW(215 hp) | 300 | 45.65 | 6.40 | 7.81 | 59.86 | 17.60 | 10.00 | 87.46 |
| | | **450** | **30.44** | **8.00** | **5.77** | **44.20** | **17.60** | **10.00** | **71.80** |
| | | 600 | 22.83 | 9.60 | 4.86 | 37.29 | 17.60 | 10.00 | 64.89 |
| **FRONT WHEEL ASSIST TRACTORS** | | | | | | | | | |
| $30,000 | 32 kW(45 hp)* | 300 | 8.56 | 1.20 | 1.46 | 11.22 | 3.42 | 10.00 | 24.64 |
| | | **450** | **5.71** | **1.50** | **1.08** | **8.29** | **3.42** | **10.00** | **21.71** |
| | | 600 | 4.28 | 1.80 | 0.91 | 6.99 | 3.42 | 10.00 | 20.41 |
| $45,000 | 48 kW(65 hp)* | 300 | 12.84 | 1.80 | 2.20 | 16.84 | 5.13 | 10.00 | 31.96 |
| | | **450** | **8.56** | **2.25** | **1.62** | **12.43** | **5.13** | **10.00** | **27.56** |
| | | 600 | 6.42 | 2.70 | 1.37 | 10.49 | 5.13 | 10.00 | 25.62 |
| $60,000 | 63 kW(85 hp)* 52 kW (70 hp) | 300 | 17.12 | 2.40 | 2.93 | 22.45 | 6.84 | 10.00 | 39.29 |
| | | **450** | **11.41** | **3.00** | **2.16** | **16.58** | **6.84** | **10.00** | **33.41** |
| | | 600 | 8.56 | 3.60 | 1.82 | 13.98 | 6.84 | 10.00 | 30.82 |
| $75,000 | 65 kW(87 hp) | 300 | 21.40 | 3.00 | 3.66 | 28.06 | 7.17 | 10.00 | 45.23 |
| | | **450** | **14.27** | **3.75** | **2.70** | **20.72** | **7.17** | **10.00** | **37.89** |
| | | 600 | 10.70 | 4.50 | 2.28 | 17.48 | 7.17 | 10.00 | 34.65 |
| $95,000 | 82 kW(110 hp) | 300 | 27.11 | 3.80 | 4.64 | 35.54 | 9.09 | 10.00 | 54.63 |
| | | **450** | **18.07** | **4.75** | **3.42** | **26.24** | **9.09** | **10.00** | **45.33** |
| | | 600 | 13.55 | 5.70 | 2.89 | 22.14 | 9.09 | 10.00 | 41.23 |
| $115,000 | 100 kW(134 hp) | 300 | 32.81 | 4.60 | 5.61 | 43.03 | 11.00 | 10.00 | 64.03 |
| | | **450** | **21.88** | **5.75** | **4.14** | **31.77** | **11.00** | **10.00** | **52.77** |
| | | 600 | 16.41 | 6.90 | 3.50 | 26.80 | 11.00 | 10.00 | 47.80 |

**Notes: If tractor rating is given in net engine power, multiply by 0.88 to get PTO power**
**Asterisks * indicate tractors without cabs but with ROPS.**
**If your tractor size and the new cost indicated don't agree, use the actual new cost.**

# TRACTORS

| New Cost | Average size PTO power | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|---|
| | | | dollars per hour | | | | | | |
| **FRONT WHEEL ASSIST TRACTORS (cont.)** | | | | | | | | | |
| $135,000 | 115 kW(155 hp) | 300 | 38.52 | 5.40 | 6.59 | 50.51 | 12.91 | 10.00 | 73.42 |
| | | **450** | **25.68** | **6.75** | **4.86** | **37.29** | **12.91** | **10.00** | **60.21** |
| | | 600 | 19.26 | 8.10 | 4.10 | 31.46 | 12.91 | 10.00 | 54.38 |
| $155,000 | 134 kW(180 hp) | 300 | 44.23 | 6.20 | 7.56 | 57.99 | 14.83 | 10.00 | 82.82 |
| | | **450** | **29.48** | **7.75** | **5.59** | **42.82** | **14.83** | **10.00** | **67.65** |
| | | 600 | 22.11 | 9.30 | 4.71 | 36.13 | 14.83 | 10.00 | 60.95 |
| $175,000 | 150 kW(200 hp) | 300 | 49.93 | 7.00 | 8.54 | 65.47 | 16.74 | 10.00 | 92.21 |
| | | **450** | **33.29** | **8.75** | **6.31** | **48.34** | **16.74** | **10.00** | **75.08** |
| | | 600 | 24.97 | 10.50 | 5.32 | 40.79 | 16.74 | 10.00 | 67.53 |
| $195,000 | 168 kW(225 hp) | 300 | 55.64 | 7.80 | 9.52 | 72.96 | 18.65 | 10.00 | 101.61 |
| | | **450** | **37.09** | **9.75** | **7.03** | **53.87** | **18.65** | **10.00** | **82.52** |
| | | 600 | 27.82 | 11.70 | 5.93 | 45.45 | 18.65 | 10.00 | 74.10 |
| $215,000 | 186 kW(250 hp) | 300 | 61.35 | 8.60 | 10.49 | 80.44 | 20.56 | 10.00 | 111.00 |
| | | **450** | **40.90** | **10.75** | **7.75** | **59.39** | **20.56** | **10.00** | **89.96** |
| | | 600 | 30.67 | 12.90 | 6.54 | 50.11 | 20.56 | 10.00 | 80.67 |
| **FOUR WHEEL DRIVE TRACTORS** | | | | | | | | | |
| $140,000 | 149 kW (200 hp) | 300 | 39.95 | 5.60 | 6.83 | 52.38 | 16.65 | 10.00 | 79.02 |
| | | **450** | **26.63** | **7.00** | **5.04** | **38.68** | **16.65** | **10.00** | **65.32** |
| | | 600 | 19.97 | 8.40 | 4.26 | 32.63 | 16.65 | 10.00 | 59.28 |
| $155,000 | 168 kW (225 hp) | 300 | 44.23 | 6.20 | 7.56 | 57.99 | 18.43 | 10.00 | 86.42 |
| | | **450** | **29.48** | **7.75** | **5.59** | **42.82** | **18.43** | **10.00** | **71.25** |
| | | 600 | 22.11 | 9.30 | 4.71 | 36.13 | 18.43 | 10.00 | 64.55 |
| $170,000 | 184 kW (246 hp) | 300 | 48.51 | 6.80 | 8.30 | 63.60 | 20.21 | 10.00 | 93.82 |
| | | **450** | **32.34** | **8.50** | **6.13** | **46.96** | **20.21** | **10.00** | **77.18** |
| | | 600 | 24.25 | 10.20 | 5.17 | 39.62 | 20.21 | 10.00 | 69.83 |
| $185,000 | 200 kW (268 hp) | 300 | 52.79 | 7.40 | 9.03 | 69.21 | 22.00 | 10.00 | 101.21 |
| | | **450** | **35.19** | **9.25** | **6.67** | **51.11** | **22.00** | **10.00** | **83.10** |
| | | 600 | 26.39 | 11.10 | 5.62 | 43.12 | 22.00 | 10.00 | 75.11 |
| $200,000 | 215 kW (290 hp) | 300 | 57.07 | 8.00 | 9.76 | 74.83 | 23.78 | 10.00 | 108.61 |
| | | **450** | **38.04** | **10.00** | **7.21** | **55.25** | **23.78** | **10.00** | **89.03** |
| | | 600 | 28.53 | 12.00 | 6.08 | 46.61 | 23.78 | 10.00 | 80.39 |
| $215,000 | 232 kW (311 hp) | 300 | 61.35 | 8.60 | 10.49 | 80.44 | 25.56 | 10.00 | 116.00 |
| | | **450** | **40.90** | **10.75** | **7.75** | **59.39** | **25.56** | **10.00** | **94.96** |
| | | 600 | 30.67 | 12.90 | 6.54 | 50.11 | 25.56 | 10.00 | 85.67 |
| $230,000 | 250 kW (333 hp) | 300 | 65.63 | 9.20 | 11.22 | 86.05 | 27.35 | 10.00 | 123.40 |
| | | **450** | **43.75** | **11.50** | **8.29** | **63.54** | **27.35** | **10.00** | **100.89** |
| | | 600 | 32.81 | 13.80 | 6.99 | 53.61 | 27.35 | 10.00 | 90.95 |
| $245,000 | 265 kW (355 hp) | 300 | 69.91 | 9.80 | 11.96 | 91.66 | 29.13 | 10.00 | 130.79 |
| | | **450** | **46.60** | **12.25** | **8.83** | **67.68** | **29.13** | **10.00** | **106.81** |
| | | 600 | 34.95 | 14.70 | 7.45 | 57.10 | 29.13 | 10.00 | 96.23 |
| $260,000 | 280 kW(375 hp) | 300 | 74.19 | 10.40 | 12.69 | 97.27 | 30.91 | 10.00 | 138.19 |
| | | **450** | **49.46** | **13.00** | **9.37** | **71.83** | **30.91** | **10.00** | **112.74** |
| | | 600 | 37.09 | 15.60 | 7.90 | 60.60 | 30.91 | 10.00 | 101.51 |
| $275,000 | 298 kW (400 hp) | 300 | 78.47 | 11.00 | 13.42 | 102.89 | 32.70 | 10.00 | 145.58 |
| | | **450** | **52.31** | **13.75** | **9.91** | **75.97** | **32.70** | **10.00** | **118.67** |
| | | 600 | 39.23 | 16.50 | 8.36 | 64.09 | 32.70 | 10.00 | 106.79 |

**Notes: If tractor rating is given in net engine power, multiply by 0.88 to get PTO power**
**If your tractor size and the new cost indicated don't agree, use the actual new cost.**
**4WD = 4 wheel drive**

## AIR SEEDERS / AIR DRILLS

| New Cost | Average size | | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|---|
| | | | | dollars per hour | | | |
| $60,000 | Air seeder | 9.0m(30 ft.) | 100 | 51.95 | 21.00 | 10.94 | 83.90 |
| | | | 125 | 41.56 | 21.00 | 9.38 | 71.95 |
| | | | 150 | 34.64 | 21.00 | 8.35 | 63.98 |
| $68,000 | | | 100 | 58.88 | 23.80 | 12.40 | 95.08 |
| | | | 125 | 47.10 | 23.80 | 10.64 | 81.54 |
| | | | 150 | 39.25 | 23.80 | 9.46 | 72.51 |
| $76,000 | Air seeder | 12.2 m (40 ft.) | 100 | 65.81 | 26.60 | 13.86 | 106.27 |
| | | | 125 | 52.65 | 26.60 | 11.89 | 91.13 |
| | | | 150 | 43.87 | 26.60 | 10.57 | 81.04 |
| $84,000 | Air drill | 9.0 m (30 ft.) | 100 | 72.74 | 29.40 | 15.32 | 117.46 |
| | | | 125 | 58.19 | 29.40 | 13.14 | 100.73 |
| | | | 150 | 48.49 | 29.40 | 11.68 | 89.57 |
| $92,000 | | | 100 | 79.66 | 32.20 | 16.78 | 128.64 |
| | | | 125 | 63.73 | 32.20 | 14.39 | 110.32 |
| | | | 150 | 53.11 | 32.20 | 12.80 | 98.10 |
| $100,000 | Air seeder | 15.2 m (50 ft.) | 100 | 86.59 | 35.00 | 18.24 | 139.83 |
| | | | 125 | 69.27 | 35.00 | 15.64 | 119.91 |
| | | | 150 | 57.73 | 35.00 | 13.91 | 106.64 |
| $108,000 | Air drill | 12.0 m (40 ft.) | 100 | 93.52 | 37.80 | 19.70 | 151.01 |
| | | | 125 | 74.81 | 37.80 | 16.89 | 129.51 |
| | | | 150 | 62.34 | 37.80 | 15.02 | 115.17 |
| $116,000 | Air seeder | 18.3 m (60 ft.) | 100 | 100.44 | 40.60 | 21.16 | 162.20 |
| | | | 125 | 80.36 | 40.60 | 18.14 | 139.10 |
| | | | 150 | 66.96 | 40.60 | 16.13 | 123.70 |
| $124,000 | | | 100 | 107.37 | 43.40 | 22.62 | 173.39 |
| | | | 125 | 85.90 | 43.40 | 19.39 | 148.69 |
| | | | 150 | 71.58 | 43.40 | 17.25 | 132.23 |
| $132,000 | | | 100 | 114.30 | 46.20 | 24.07 | 184.57 |
| | | | 125 | 91.44 | 46.20 | 20.65 | 158.28 |
| | | | 150 | 76.20 | 46.20 | 18.36 | 140.76 |
| $140,000 | Air drill | 15.2 m (50 ft.) | 100 | 121.23 | 49.00 | 25.53 | 195.76 |
| | | | 125 | 96.98 | 49.00 | 21.90 | 167.88 |
| | | | 150 | 80.82 | 49.00 | 19.47 | 149.29 |
| $148,000 | | | 100 | 128.15 | 51.80 | 26.99 | 206.95 |
| | | | 125 | 102.52 | 51.80 | 23.15 | 177.47 |
| | | | 150 | 85.44 | 51.80 | 20.59 | 157.82 |
| $156,000 | Air drill | 18.3m (60 ft.) | 100 | 135.08 | 54.60 | 28.45 | 218.13 |
| | | | 125 | 108.06 | 54.60 | 24.40 | 187.06 |
| | | | 150 | 90.05 | 54.60 | 21.70 | 166.35 |

**Note**:There is a wide variation in air seeder and air drill prices, so your machine size may not agree with the new cost indicated. In this case, **use the actual new cost**.
Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## SEED DRILLS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $35,000 | Press drill 3.7 m (12 ft.) | 100 | 30.31 | 14.00 | 6.65 | 50.95 |
| | | 125 | 24.25 | 14.00 | 5.74 | 43.98 |
| | | 150 | 20.20 | 14.00 | 5.13 | 39.33 |
| $40,000 | | 100 | 34.64 | 16.00 | 7.60 | 58.23 |
| | | 125 | 27.71 | 16.00 | 6.56 | 50.27 |
| | | 150 | 23.09 | 16.00 | 5.86 | 44.95 |
| $45,000 | Press drill 6.1 m (20 ft.) No till drill 3.6 m (12 ft.) | 100 | 38.97 | 18.00 | 8.54 | 65.51 |
| | | 125 | 31.17 | 18.00 | 7.38 | 56.55 |
| | | 150 | 25.98 | 18.00 | 6.60 | 50.57 |
| $50,000 | | 100 | 43.30 | 20.00 | 9.49 | 72.79 |
| | | 125 | 34.64 | 20.00 | 8.20 | 62.83 |
| | | 150 | 28.86 | 20.00 | 7.33 | 56.19 |
| $55,000 | Press drill 8.5 m (28 ft.) No till drill 5.0 m (16 ft.) | 100 | 47.62 | 22.00 | 10.44 | 80.07 |
| | | 125 | 38.10 | 22.00 | 9.01 | 69.11 |
| | | 150 | 31.75 | 22.00 | 8.06 | 61.81 |
| $60,000 | | 100 | 51.95 | 24.00 | 11.39 | 87.35 |
| | | 125 | 41.56 | 24.00 | 9.83 | 75.40 |
| | | 150 | 34.64 | 24.00 | 8.80 | 67.43 |
| $65,000 | Press drill 10.9 m (36 ft.) No till drill 6.4 m (21 ft.) | 100 | 56.28 | 26.00 | 12.34 | 94.63 |
| | | 125 | 45.03 | 26.00 | 10.65 | 81.68 |
| | | 150 | 37.52 | 26.00 | 9.53 | 73.05 |
| $70,000 | Press drill 12.1 m (40 ft.) No till drill 7.3 m (24 ft.) | 100 | 60.61 | 28.00 | 13.29 | 101.90 |
| | | 125 | 48.49 | 28.00 | 11.47 | 87.96 |
| | | 150 | 40.41 | 28.00 | 10.26 | 78.67 |
| $75,000 | | 100 | 64.94 | 30.00 | 14.24 | 109.18 |
| | | 125 | 51.95 | 30.00 | 12.29 | 94.25 |
| | | 150 | 43.30 | 30.00 | 10.99 | 84.29 |
| $80,000 | Press drill 14.6 m (48 ft.) No till drill 8.5 m (28 ft.) | 100 | 69.27 | 32.00 | 15.19 | 116.46 |
| | | 125 | 55.42 | 32.00 | 13.11 | 100.53 |
| | | 150 | 46.18 | 32.00 | 11.73 | 89.91 |

**NOTE**: There is a wide variation in seed drill prices so your drill size may not agree with the new cost indicated. In this case, use the **actual new cost**. Press drill refers to a drill with either double disc or hoe type openers.
Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## ROW CROP PLANTERS

| New Cost | Average size | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $22,500 | 4 row planter | 75 | 25.98 | 9.00 | 5.25 | 40.22 |
| | | **100** | **19.48** | **9.00** | **4.27** | **32.76** |
| | | 125 | 15.59 | 9.00 | 3.69 | 28.27 |
| $30,000 | 6 row planter | 75 | 34.64 | 12.00 | 7.00 | 53.63 |
| | | **100** | **25.98** | **12.00** | **5.70** | **43.67** |
| | | 125 | 20.78 | 12.00 | 4.92 | 37.70 |
| $37,500 | 8 row planter | 75 | 43.30 | 15.00 | 8.74 | 67.04 |
| | | **100** | **32.47** | **15.00** | **7.12** | **54.59** |
| | | 125 | 25.98 | 15.00 | 6.15 | 47.12 |
| $45,000 | 10 row planter | 75 | 51.95 | 18.00 | 10.49 | 80.45 |
| | | **100** | **38.97** | **18.00** | **8.54** | **65.51** |
| | | 125 | 31.17 | 18.00 | 7.38 | 56.55 |
| $52,500 | 12 row planter | 75 | 60.61 | 21.00 | 12.24 | 93.85 |
| | | **100** | **45.46** | **21.00** | **9.97** | **76.43** |
| | | 125 | 36.37 | 21.00 | 8.61 | 65.97 |
| $60,000 | | 75 | 69.27 | 24.00 | 13.99 | 107.26 |
| | | **100** | **51.95** | **24.00** | **11.39** | **87.35** |
| | | 125 | 41.56 | 24.00 | 9.83 | 75.40 |
| $67,500 | 16 row planter | 75 | 77.93 | 27.00 | 15.74 | 120.67 |
| | | **100** | **58.45** | **27.00** | **12.82** | **98.27** |
| | | 125 | 46.76 | 27.00 | 11.06 | 84.82 |

**NOTE**: There is a wide variation in planter prices, so your planter size may not agree with the new cost indicated. In this case, use the **actual new cost**.
Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## MANURE SPREADERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $6,000 | | 100 | 5.20 | 2.10 | 1.09 | 8.39 |
| | | 125 | 4.16 | 2.10 | 0.94 | 7.19 |
| | | 150 | 3.46 | 2.10 | 0.83 | 6.40 |
| $8,250 | 6.0 cu. m (210 cu.ft.) | 100 | 7.14 | 2.89 | 1.50 | 11.54 |
| | | 125 | 5.71 | 2.89 | 1.29 | 9.89 |
| | | 150 | 4.76 | 2.89 | 1.15 | 8.80 |
| $10,500 | 8.1 cu. m (285 cu.ft.) | 100 | 9.09 | 3.68 | 1.92 | 14.68 |
| | | 125 | 7.27 | 3.68 | 1.64 | 12.59 |
| | | 150 | 6.06 | 3.68 | 1.46 | 11.20 |
| $12,500 | 10.0 cu. m (350 cu.ft.) side delivery, 5.0 cu. m (175 cu.ft.) | 100 | 10.82 | 4.38 | 2.28 | 17.48 |
| | | 125 | 8.66 | 4.38 | 1.96 | 14.99 |
| | | 150 | 7.22 | 4.38 | 1.74 | 13.33 |
| $14,500 | 12.0 cu. m (420 cu.ft.) side delivery, 5.9 cu. m (208 cu.ft.) | 100 | 12.56 | 5.08 | 2.64 | 20.28 |
| | | 125 | 10.04 | 5.08 | 2.27 | 17.39 |
| | | 150 | 8.37 | 5.08 | 2.02 | 15.46 |
| $18,000 | 14.0 cu. m (490 cu.ft.) side delivery, 7.0 cu. m (247 cu.ft.) | 100 | 15.59 | 6.30 | 3.28 | 25.17 |
| | | 125 | 12.47 | 6.30 | 2.82 | 21.58 |
| | | 150 | 10.39 | 6.30 | 2.50 | 19.19 |
| $20,500 | 8.1 cu. m (285 cu.ft.) side delivery | 100 | 17.75 | 7.18 | 3.74 | 28.66 |
| | | 125 | 14.20 | 7.18 | 3.21 | 24.58 |
| | | 150 | 11.83 | 7.18 | 2.85 | 21.86 |
| $23,000 | 9.1 cu. m (320 cu.ft.) side delivery | 100 | 19.92 | 8.05 | 4.19 | 32.16 |
| | | 125 | 15.93 | 8.05 | 3.60 | 27.58 |
| | | 150 | 13.28 | 8.05 | 3.20 | 24.53 |
| $25,000 | 10.0 cu. m (352 cu.ft.) side delivery | 100 | 21.65 | 8.75 | 4.56 | 34.96 |
| | | 125 | 17.32 | 8.75 | 3.91 | 29.98 |
| | | 150 | 14.43 | 8.75 | 3.48 | 26.66 |

**Note:** Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## SPRAYERS (PT)

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $20,000 | 12.7 m (42 ft.) | 40 | 43.30 | 10.00 | 7.99 | 61.29 |
| | | **60** | **28.86** | **10.00** | **5.83** | **44.69** |
| | | 80 | 21.65 | 10.00 | 4.75 | 36.39 |
| $22,500 | 15.2 m (50 ft.) | 40 | 48.71 | 11.25 | 8.99 | 68.95 |
| | | **60** | **32.47** | **11.25** | **6.56** | **50.28** |
| | | 80 | 24.35 | 11.25 | 5.34 | 40.94 |
| $25,000 | 18.8 m (62 ft.) | 40 | 54.12 | 12.50 | 9.99 | 76.61 |
| | | **60** | **36.08** | **12.50** | **7.29** | **55.87** |
| | | 80 | 27.06 | 12.50 | 5.93 | 45.49 |
| $27,500 | 21.8 m (72 ft.) | 40 | 59.53 | 13.75 | 10.99 | 84.27 |
| | | **60** | **39.69** | **13.75** | **8.02** | **61.45** |
| | | 80 | 29.77 | 13.75 | 6.53 | 50.04 |
| $30,000 | 25.4 m (84 ft.) | 40 | 64.94 | 15.00 | 11.99 | 91.93 |
| | | **60** | **43.30** | **15.00** | **8.74** | **67.04** |
| | | 80 | 32.47 | 15.00 | 7.12 | 54.59 |
| $32,500 | 27.4 m (90 ft.) | 40 | 70.35 | 16.25 | 12.99 | 99.60 |
| | | **60** | **46.90** | **16.25** | **9.47** | **72.63** |
| | | 80 | 35.18 | 16.25 | 7.71 | 59.14 |
| $35,000 | 31.5 m (104 ft.) | 40 | 75.77 | 17.50 | 13.99 | 107.26 |
| | | **60** | **50.51** | **17.50** | **10.20** | **78.21** |
| | | 80 | 37.88 | 17.50 | 8.31 | 63.69 |
| $37,500 | 34.6 m (114 ft.) | 40 | 81.18 | 18.75 | 14.99 | 114.92 |
| | | **60** | **54.12** | **18.75** | **10.93** | **83.80** |
| | | 80 | 40.59 | 18.75 | 8.90 | 68.24 |
| $40,000 | 37.6 m (124 ft.) | 40 | 86.59 | 20.00 | 15.99 | 122.58 |
| | | **60** | **57.73** | **20.00** | **11.66** | **89.39** |
| | | 80 | 43.30 | 20.00 | 9.49 | 72.79 |

**NOTE**: There is a wide variation in sprayer prices, so your sprayer size may not agree with the new cost indicated. In this case, use the **actual new cost**.
Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

# SPRAYERS (SP)

| New Cost | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|
| | | dollars per hour | | | | | | |
| $80,000 | 150 | 46.18 | 12.00 | 8.73 | 66.91 | 6.40 | 10.00 | 83.31 |
| | **250** | **27.71** | **12.00** | **5.96** | **45.67** | **6.40** | **10.00** | **62.07** |
| | 350 | 19.79 | 12.00 | 4.77 | 36.56 | 6.40 | 10.00 | 52.96 |
| $95,000 | 150 | 54.84 | 14.25 | 10.36 | 79.45 | 7.60 | 10.00 | 97.05 |
| | **250** | **32.90** | **14.25** | **7.07** | **54.23** | **7.60** | **10.00** | **71.83** |
| | 350 | 23.50 | 14.25 | 5.66 | 43.42 | 7.60 | 10.00 | 61.02 |
| $110,000 | 150 | 63.50 | 16.50 | 12.00 | 92.00 | 8.80 | 10.00 | 110.80 |
| | **250** | **38.10** | **16.50** | **8.19** | **62.79** | **8.80** | **10.00** | **81.59** |
| | 350 | 27.21 | 16.50 | 6.56 | 50.27 | 8.80 | 10.00 | 69.07 |
| $125,000 | 150 | 72.16 | 18.75 | 13.64 | 104.54 | 10.00 | 10.00 | 124.54 |
| | **250** | **43.30** | **18.75** | **9.31** | **71.35** | **10.00** | **10.00** | **91.35** |
| | 350 | 30.93 | 18.75 | 7.45 | 57.13 | 10.00 | 10.00 | 77.13 |
| $140,000 | 150 | 80.82 | 21.00 | 15.27 | 117.09 | 11.20 | 10.00 | 138.29 |
| | **250** | **48.49** | **21.00** | **10.42** | **79.91** | **11.20** | **10.00** | **101.11** |
| | 350 | 34.64 | 21.00 | 8.35 | 63.98 | 11.20 | 10.00 | 85.18 |
| $155,000 | 150 | 89.48 | 23.25 | 16.91 | 129.64 | 12.40 | 10.00 | |
| | **250** | **53.69** | **23.25** | **11.54** | **88.48** | **12.40** | **10.00** | **110.88** |
| | 350 | 38.35 | 23.25 | 9.24 | 70.84 | 12.40 | 10.00 | 93.24 |
| $170,000 | 150 | 98.14 | 25.50 | 18.55 | 142.18 | 13.60 | 10.00 | 165.78 |
| | **250** | **58.88** | **25.50** | **12.66** | **97.04** | **13.60** | **10.00** | **120.64** |
| | 350 | 42.06 | 25.50 | 10.13 | 77.69 | 13.60 | 10.00 | 101.29 |
| $185,000 | 150 | 106.79 | 27.75 | 20.18 | 154.73 | 14.80 | 10.00 | 179.53 |
| | **250** | **64.08** | **27.75** | **13.77** | **105.60** | **14.80** | **10.00** | **130.40** |
| | 350 | 45.77 | 27.75 | 11.03 | 84.55 | 14.80 | 10.00 | 109.35 |
| $200,000 | 150 | 115.45 | 30.00 | 21.82 | 167.27 | 16.00 | 10.00 | 193.27 |
| | **250** | **69.27** | **30.00** | **14.89** | **114.16** | **16.00** | **10.00** | **140.16** |
| | 350 | 49.48 | 30.00 | 11.92 | 91.40 | 16.00 | 10.00 | 117.40 |
| $215,000 | 150 | 124.11 | 32.25 | 23.45 | 179.82 | 17.20 | 10.00 | 207.02 |
| | **250** | **74.47** | **32.25** | **16.01** | **122.73** | **17.20** | **10.00** | **149.93** |
| | 350 | 53.19 | 32.25 | 12.82 | 98.26 | 17.20 | 10.00 | 125.46 |
| $230,000 | 150 | 132.77 | 34.50 | 25.09 | 192.36 | 18.40 | 10.00 | 220.76 |
| | **250** | **79.66** | **34.50** | **17.12** | **131.29** | **18.40** | **10.00** | **159.69** |
| | 350 | 56.90 | 34.50 | 13.71 | 105.11 | 18.40 | 10.00 | 133.51 |
| $245,000 | 150 | 141.43 | 36.75 | 26.73 | 204.91 | 19.60 | 10.00 | 234.51 |
| | **250** | **84.86** | **36.75** | **18.24** | **139.85** | **19.60** | **10.00** | **169.45** |
| | 350 | 60.61 | 36.75 | 14.60 | 111.97 | 19.60 | 10.00 | 141.57 |
| $260,000 | 150 | 150.09 | 39.00 | 28.36 | 217.45 | 20.80 | 10.00 | 248.25 |
| | **250** | **90.05** | **39.00** | **19.36** | **148.41** | **20.80** | **10.00** | **179.21** |
| | 350 | 64.32 | 39.00 | 15.50 | 118.82 | 20.80 | 10.00 | 149.62 |

# CULTIVATORS

| New Cost | Average size | | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|---|
| | | | | dollars per hour | | | |
| $15,000 | | | 150 | 8.66 | 4.50 | 1.97 | 15.13 |
| | | | 200 | 6.49 | 4.50 | 1.65 | **12.64** |
| | | | 250 | 5.20 | 4.50 | 1.45 | 11.15 |
| $20,000 | Fixed Hitch | 8.7 m (28 ft.) | 150 | 11.55 | 6.00 | 2.63 | 20.18 |
| | Heavy Duty | 7.6 m (25 ft.) | 200 | 8.66 | 6.00 | 2.20 | **16.86** |
| | | | 250 | 6.93 | 6.00 | 1.94 | 14.87 |
| $25,000 | Fixed Hitch | 10.8 m (35 ft.) | 150 | 14.43 | 7.50 | 3.29 | 25.22 |
| | Heavy Duty | 9.5 m (31 ft.) | 200 | 10.82 | 7.50 | 2.75 | **21.07** |
| | | | 250 | 8.66 | 7.50 | 2.42 | 18.58 |
| $30,000 | Fixed Hitch | 13.0 m (43 ft.) | 150 | 17.32 | 9.00 | 3.95 | 30.27 |
| | Heavy Duty | 11.4 m (37 ft.) | 200 | 12.99 | 9.00 | 3.30 | **25.29** |
| | Floating Hitch | 7.6 m (25 ft.) | 250 | 10.39 | 9.00 | 2.91 | 22.30 |
| $35,000 | Fixed Hitch | 15.2 m (50 ft.) | 150 | 20.20 | 10.50 | 4.61 | 35.31 |
| | Heavy Duty | 13 m (43 ft.) | 200 | 15.15 | 10.50 | 3.85 | **29.50** |
| | Floating Hitch | 9.1 m (30 ft.) | 250 | 12.12 | 10.50 | 3.39 | 26.02 |
| $40,000 | Fixed Hitch | 17.4 m (57 ft.) | 150 | 23.09 | 12.00 | 5.26 | 40.35 |
| | Heavy Duty | 15.2 m (50 ft.) | 200 | 17.32 | 12.00 | 4.40 | **33.72** |
| | Floating Hitch | 10.7 m (35 ft.) | 250 | 13.85 | 12.00 | 3.88 | 29.73 |
| $45,000 | Fixed Hitch | 19.5 m (64 ft.) | 150 | 25.98 | 13.50 | 5.92 | 45.40 |
| | Heavy Duty | 17.4 m (57 ft.) | 200 | 19.48 | 13.50 | 4.95 | 37.93 |
| | Floating Hitch | 12.2 m (40 ft.) | 250 | 15.59 | 13.50 | 4.36 | 33.45 |
| $50,000 | Floating Hitch | 13.7 m (45ft.) | 150 | 28.86 | 15.00 | 6.58 | 50.44 |
| | | | 200 | 21.65 | 15.00 | 5.50 | **42.14** |
| | | | 250 | 17.32 | 15.00 | 4.85 | 37.17 |
| $55,000 | Floating Hitch | 15.2 m (50 ft.) | 150 | 31.75 | 16.50 | 7.24 | 55.49 |
| | | | 200 | 23.81 | 16.50 | 6.05 | **46.36** |
| | | | 250 | 19.05 | 16.50 | 5.33 | 40.88 |
| $60,000 | Floating Hitch | 16.8 m (55 ft.) | 150 | 34.64 | 18.00 | 7.90 | 60.53 |
| | | | 200 | 25.98 | 18.00 | 6.60 | **50.57** |
| | | | 250 | 20.78 | 18.00 | 5.82 | 44.60 |
| $65,000 | Floating Hitch | 18.3 m (60 ft.) | 150 | 37.52 | 19.50 | 8.55 | 65.58 |
| | | | 200 | 28.14 | 19.50 | 7.15 | **54.79** |
| | | | 250 | 22.51 | 19.50 | 6.30 | 48.32 |

**Note:** There is a wide variation in cultivator prices, so your cultivator size may not agree with the new cost indicated. In this case, use the **actual new cost.** Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## HARROWS and PACKERS

| New Cost | Average size | | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|---|
| | | | | dollars per hour | | | |
| $7,000 | Harrows | 9.3 m (30.7 ft.) | 100 | 6.06 | 2.10 | 1.22 | 9.39 |
| | | | 125 | 4.85 | 2.10 | 1.04 | **7.99** |
| | | | 150 | 4.04 | 2.10 | 0.92 | 7.06 |
| $10,000 | Harrows | 14.0 m (46 ft.) | 100 | 8.66 | 3.00 | 1.75 | 13.41 |
| | Packers | 6.5 m (21 ft.) | 125 | 6.93 | 3.00 | 1.49 | **11.42** |
| | | | 150 | 5.77 | 3.00 | 1.32 | 10.09 |
| $13,000 | Harrows | 18.7 m (61 ft.) | 100 | 11.26 | 3.90 | 2.27 | 17.43 |
| | Packers | 8.7 m (29 ft.) | 125 | 9.01 | 3.90 | 1.94 | **14.84** |
| | Har. Packer | 7.6 m (25 ft.) | 150 | 7.50 | 3.90 | 1.71 | 13.12 |
| $16,000 | Harrows | 23.4 m (77 ft.) | 100 | 13.85 | 4.80 | 2.80 | 21.45 |
| | Packers | 10.9 m (36 ft.) | 125 | 11.08 | 4.80 | 2.38 | **18.27** |
| | Har. Packer | 9.5 m (31 ft.) | 150 | 9.24 | 4.80 | 2.11 | 16.14 |
| $19,000 | Harrows | 28.0 m (92 ft.) | 100 | 16.45 | 5.70 | 3.32 | 25.47 |
| | Packers | 13 m (43 ft.) | 125 | 13.16 | 5.70 | 2.83 | **21.69** |
| | Har. Packer | 11.5 m (38 ft.) | 150 | 10.97 | 5.70 | 2.50 | 19.17 |
| $22,000 | Harrows | 32.7 m (107 ft.) | 100 | 19.05 | 6.60 | 3.85 | 29.50 |
| | Packers | 15.2 m (50 ft.) | 125 | 15.24 | 6.60 | 3.28 | **25.12** |
| | Har. Packer | 13.4 m (44 ft.) | 150 | 12.70 | 6.60 | 2.89 | 22.19 |
| $25,000 | Harrows | 37.4 m (123 ft.) | 100 | 21.65 | 7.50 | 4.37 | 33.52 |
| | Packers | 17.4 m (57 ft.) | 125 | 17.32 | 7.50 | 3.72 | **28.54** |
| | Har. Packer | 15.2 m (50 ft.) | 150 | 14.43 | 7.50 | 3.29 | 25.22 |
| $28,000 | Packers | 19.6 m (64 ft.) | 100 | 24.25 | 8.40 | 4.90 | 37.54 |
| | Har. Packer | 17.1 m (56 ft.) | 125 | 19.40 | 8.40 | 4.17 | **31.97** |
| | Heavy Har. | 21.3 m (70 ft.) | 150 | 16.16 | 8.40 | 3.68 | 28.25 |
| $31,000 | Har. Packer | 19 m (62 ft.) | 100 | 26.84 | 9.30 | 5.42 | 41.56 |
| | Heavy Har. | 25 m (82 ft.) | 125 | 21.47 | 9.30 | 4.62 | **35.39** |
| | | | 150 | 17.90 | 9.30 | 4.08 | 31.27 |
| $34,000 | Har. Packer | 21 m (69 ft.) | 100 | 29.44 | 10.20 | 5.95 | 45.59 |
| | | | 125 | 23.55 | 10.20 | 5.06 | **38.82** |
| | | | 150 | 19.63 | 10.20 | 4.47 | 34.30 |
| $37,000 | | | 100 | 32.04 | 11.10 | 6.47 | 49.61 |
| | | | 125 | 25.63 | 11.10 | 5.51 | **42.24** |
| | | | 150 | 21.36 | 11.10 | 4.87 | 37.33 |

**NOTE**: There is a wide variation in harrow and packer prices, so your harrow or packer size may not agree with the new cost indicated. In this case, use the **actual** new cost. Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## TANDEM DISCS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $10,000 | | 100 | 8.66 | 2.50 | 1.67 | 12.83 |
| | | 125 | 6.93 | 2.50 | 1.41 | 10.84 |
| | | 150 | 5.77 | 2.50 | 1.24 | 9.51 |
| $14,000 | | 100 | 12.12 | 3.50 | 2.34 | 17.97 |
| | | 125 | 9.70 | 3.50 | 1.98 | 15.18 |
| | | 150 | 8.08 | 3.50 | 1.74 | 13.32 |
| $18,000 | 4.0 m (13.2 ft.) | 100 | 15.59 | 4.50 | 3.01 | 23.10 |
| | | 125 | 12.47 | 4.50 | 2.55 | 19.51 |
| | | 150 | 10.39 | 4.50 | 2.23 | 17.12 |
| $22,000 | 5.4 m (17.6 ft.) | 100 | 19.05 | 5.50 | 3.68 | 28.23 |
| | | 125 | 15.24 | 5.50 | 3.11 | 23.85 |
| | | 150 | 12.70 | 5.50 | 2.73 | 20.93 |
| $26,000 | 6.5 m (21.3 ft.) | 100 | 22.51 | 6.50 | 4.35 | 33.37 |
| | | 125 | 18.01 | 6.50 | 3.68 | 28.19 |
| | | 150 | 15.01 | 6.50 | 3.23 | 24.74 |
| $30,000 | 7.4 m (24.3 ft.) | 100 | 25.98 | 7.50 | 5.02 | 38.50 |
| | | 125 | 20.78 | 7.50 | 4.24 | 32.52 |
| | | 150 | 17.32 | 7.50 | 3.72 | 28.54 |
| $34,000 | 8.3 m (27.3 ft.) | 100 | 29.44 | 8.50 | 5.69 | 43.63 |
| | | 125 | 23.55 | 8.50 | 4.81 | 36.86 |
| | | 150 | 19.63 | 8.50 | 4.22 | 32.35 |
| $38,000 | 9.3 m (30.4 ft.) | 100 | 32.90 | 9.50 | 6.36 | 48.76 |
| | | 125 | 26.32 | 9.50 | 5.37 | 41.20 |
| | | 150 | 21.94 | 9.50 | 4.72 | 36.15 |
| $42,000 | 10.2 m (33.4 ft.) | 100 | 36.37 | 10.50 | 7.03 | 53.90 |
| | | 125 | 29.09 | 10.50 | 5.94 | 45.53 |
| | | 150 | 24.25 | 10.50 | 5.21 | 39.96 |
| $46,000 | 11.1 m (36.4 ft.) | 100 | 39.83 | 11.50 | 7.70 | 59.03 |
| | | 125 | 31.87 | 11.50 | 6.50 | 49.87 |
| | | 150 | 26.55 | 11.50 | 5.71 | 43.76 |
| $50,000 | 12.1 m (39.5 ft.) | 100 | 43.30 | 12.50 | 8.37 | 64.16 |
| | | 125 | 34.64 | 12.50 | 7.07 | 54.21 |
| | | 150 | 28.86 | 12.50 | 6.20 | 47.57 |

**Note:** There is a wide variation in tandem disc prices, so your disc size may not agree with the new cost indicated. In this case, use the **actual new cost**.
Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## PLOWS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $15,000 | 1.8 m (6.0 ft.) | 100 | 12.99 | 4.50 | 2.62 | 20.11 |
| | | **125** | **10.39** | **4.50** | **2.23** | **17.12** |
| | | 150 | 8.66 | 4.50 | 1.97 | 15.13 |
| $17,500 | 2.2 m (7.4 ft.) | 100 | 15.15 | 5.25 | 3.06 | 23.46 |
| | | **125** | **12.12** | **5.25** | **2.61** | **19.98** |
| | | 150 | 10.10 | 5.25 | 2.30 | 17.65 |
| $20,000 | 2.7 m (8.9 ft.) | 100 | 17.32 | 6.00 | 3.50 | 26.82 |
| | | **125** | **13.85** | **6.00** | **2.98** | **22.83** |
| | | 150 | 11.55 | 6.00 | 2.63 | 20.18 |
| $22,500 | 3.1 m (10.3 ft.) | 100 | 19.48 | 6.75 | 3.93 | 30.17 |
| | | **125** | **15.59** | **6.75** | **3.35** | **25.69** |
| | | 150 | 12.99 | 6.75 | 2.96 | 22.70 |
| $25,000 | 3.5 m (11.8 ft.) | 100 | 21.65 | 7.50 | 4.37 | 33.52 |
| | | **125** | **17.32** | **7.50** | **3.72** | **28.54** |
| | | 150 | 14.43 | 7.50 | 3.29 | 25.22 |
| $27,500 | 4.0 m (13.2 ft.) | 100 | 23.81 | 8.25 | 4.81 | 36.87 |
| | | **125** | **19.05** | **8.25** | **4.09** | **31.39** |
| | | 150 | 15.87 | 8.25 | 3.62 | 27.74 |
| $30,000 | 4.5 m (14.7 ft.) | 100 | 25.98 | 9.00 | 5.25 | 40.22 |
| | | **125** | **20.78** | **9.00** | **4.47** | **34.25** |
| | | 150 | 17.32 | 9.00 | 3.95 | 30.27 |
| $32,500 | 4.9 m (16.1 ft.) | 100 | 28.14 | 9.75 | 5.68 | 43.58 |
| | | **125** | **22.51** | **9.75** | **4.84** | **37.10** |
| | | 150 | 18.76 | 9.75 | 4.28 | 32.79 |
| $35,000 | 5.4 m (17.6 ft.) | 100 | 30.31 | 10.50 | 6.12 | 46.93 |
| | | **125** | **24.25** | **10.50** | **5.21** | **39.96** |
| | | 150 | 20.20 | 10.50 | 4.61 | 35.31 |

## ROCKPICKERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $8,000 | fork type - small | 75 | 9.24 | 3.20 | 1.87 | 14.30 |
| | windrower - 3.0 m (10 ft.) | **100** | **6.93** | **3.20** | **1.52** | **11.65** |
| | | 125 | 5.54 | 3.20 | 1.31 | 10.05 |
| $12,000 | fork type -medium | 75 | 13.85 | 4.80 | 2.80 | 21.45 |
| | reel type - small | **100** | **10.39** | **4.80** | **2.28** | **17.47** |
| | windrower - 4.3 m (14 ft.) | 125 | 8.31 | 4.80 | 1.97 | 15.08 |
| $16,000 | fork type - large | 75 | 18.47 | 6.40 | 3.73 | 28.60 |
| | reel type - medium | **100** | **13.85** | **6.40** | **3.04** | **23.29** |
| | windrower - 6.1 m (20 ft.) | 125 | 11.08 | 6.40 | 2.62 | 20.11 |
| $20,000 | reel type - large | 75 | 23.09 | 8.00 | 4.66 | 35.75 |
| | | **100** | **17.32** | **8.00** | **3.80** | **29.12** |
| | | 125 | 13.85 | 8.00 | 3.28 | 25.13 |

**NOTE**: Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## SP WINDROWERS

| New Cost | Average size | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|---|
| | | | dollars per hour | | | | | | |
| $65,000 | | 100 | 56.28 | 19.50 | 11.37 | 87.15 | 5.96 | 10.00 | 103.11 |
| | | 125 | 45.03 | 19.50 | 9.68 | 74.21 | 5.96 | 10.00 | 90.16 |
| | | 150 | 37.52 | 19.50 | 8.55 | 65.58 | 5.96 | 10.00 | 81.53 |
| $68,000 | | 100 | 58.88 | 20.40 | 11.89 | 91.17 | 6.23 | 10.00 | 107.41 |
| | | 125 | 47.10 | 20.40 | 10.13 | 77.63 | 6.23 | 10.00 | 93.86 |
| | | 150 | 39.25 | 20.40 | 8.95 | 68.60 | 6.23 | 10.00 | 84.83 |
| $71,000 | | 100 | 61.48 | 21.30 | 12.42 | 95.20 | 6.51 | 10.00 | 111.70 |
| | | 125 | 49.18 | 21.30 | 10.57 | 81.06 | 6.51 | 10.00 | 97.56 |
| | | 150 | 40.99 | 21.30 | 9.34 | 71.63 | 6.51 | 10.00 | 88.14 |
| $74,000 | 6.4 m (21 ft.) diesel engine | 100 | 64.08 | 22.20 | 12.94 | 99.22 | 6.78 | 10.00 | 116.00 |
| | | 125 | 51.26 | 22.20 | 11.02 | 84.48 | 6.78 | 10.00 | 101.26 |
| | | 150 | 42.72 | 22.20 | 9.74 | 74.66 | 6.78 | 10.00 | 91.44 |
| $77,000 | 7.6 m (25 ft.) diesel engine | 100 | 66.67 | 23.10 | 13.47 | 103.24 | 7.06 | 10.00 | 120.30 |
| | | 125 | 53.34 | 23.10 | 11.47 | 87.91 | 7.06 | 10.00 | 104.96 |
| | | 150 | 44.45 | 23.10 | 10.13 | 77.68 | 7.06 | 10.00 | 94.74 |
| $80,000 | 9.1 m (30 ft.) diesel engine | 100 | 69.27 | 24.00 | 13.99 | 107.26 | 7.33 | 10.00 | 124.59 |
| | | 125 | 55.42 | 24.00 | 11.91 | 91.33 | 7.33 | 10.00 | 108.66 |
| | | 150 | 46.18 | 24.00 | 10.53 | 80.71 | 7.33 | 10.00 | 98.04 |
| $83,000 | | 100 | 71.87 | 24.90 | 14.52 | 111.29 | 7.61 | 10.00 | 128.89 |
| | | 125 | 57.50 | 24.90 | 12.36 | 94.76 | 7.61 | 10.00 | 112.36 |
| | | 150 | 47.91 | 24.90 | 10.92 | 83.74 | 7.61 | 10.00 | 101.34 |
| $86,000 | | 100 | 74.47 | 25.80 | 15.04 | 115.31 | 7.88 | 10.00 | 133.19 |
| | | 125 | 59.57 | 25.80 | 12.81 | 98.18 | 7.88 | 10.00 | 116.06 |
| | | 150 | 49.64 | 25.80 | 11.32 | 86.76 | 7.88 | 10.00 | 104.64 |
| $89,000 | 7.6 m (25 ft.) turbo diesel | 100 | 77.07 | 26.70 | 15.56 | 119.33 | 8.16 | 10.00 | 137.49 |
| | | 125 | 61.65 | 26.70 | 13.25 | 101.60 | 8.16 | 10.00 | 119.76 |
| | | 150 | 51.38 | 26.70 | 11.71 | 89.79 | 8.16 | 10.00 | 107.95 |
| $92,000 | 9.1 m (30 ft.) turbo diesel | 100 | 79.66 | 27.60 | 16.09 | 123.35 | 8.43 | 10.00 | 141.78 |
| | | 125 | 63.73 | 27.60 | 13.70 | 105.03 | 8.43 | 10.00 | 123.46 |
| | | 150 | 53.11 | 27.60 | 12.11 | 92.81 | 8.43 | 10.00 | 111.25 |
| $95,000 | 11 m (36 ft.) turbo diesel | 100 | 82.26 | 28.50 | 16.61 | 127.37 | 8.71 | 10.00 | 146.08 |
| | | 125 | 65.81 | 28.50 | 14.15 | 108.45 | 8.71 | 10.00 | 127.16 |
| | | 150 | 54.84 | 28.50 | 12.50 | 95.84 | 8.71 | 10.00 | 114.55 |
| $98,000 | | 100 | 84.86 | 29.40 | 17.14 | 131.40 | 8.98 | 10.00 | 150.38 |
| | | 125 | 67.89 | 29.40 | 14.59 | 111.88 | 8.98 | 10.00 | 130.86 |
| | | 150 | 56.57 | 29.40 | 12.90 | 98.87 | 8.98 | 10.00 | 117.85 |

## PT WINDROWERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $14,000 | | 100 | 12.12 | 4.90 | 2.55 | 19.58 |
| | | **125** | **9.70** | **4.90** | **2.19** | **16.79** |
| | | 150 | 8.08 | 4.90 | 1.95 | 14.93 |
| $16,000 | | 100 | 13.85 | 5.60 | 2.92 | 22.37 |
| | | **125** | **11.08** | **5.60** | **2.50** | **19.19** |
| | | 150 | 9.24 | 5.60 | 2.23 | 17.06 |
| $18,000 | | 100 | 15.59 | 6.30 | 3.28 | 25.17 |
| | | **125** | **12.47** | **6.30** | **2.82** | **21.58** |
| | | 150 | 10.39 | 6.30 | 2.50 | 19.19 |
| $20,000 | 6.4 m (21 ft.) | 100 | 17.32 | 7.00 | 3.65 | 27.97 |
| | | **125** | **13.85** | **7.00** | **3.13** | **23.98** |
| | | 150 | 11.55 | 7.00 | 2.78 | 21.33 |
| $22,000 | 7.6 m (25 ft.) | 100 | 19.05 | 7.70 | 4.01 | 30.76 |
| | | **125** | **15.24** | **7.70** | **3.44** | **26.38** |
| | | 150 | 12.70 | 7.70 | 3.06 | 23.46 |
| $24,000 | | 100 | 20.78 | 8.40 | 4.38 | 33.56 |
| | | **125** | **16.63** | **8.40** | **3.75** | **28.78** |
| | | 150 | 13.85 | 8.40 | 3.34 | 25.59 |
| $26,000 | 9.1 m (30 ft.) | 100 | 22.51 | 9.10 | 4.74 | 36.36 |
| | | **125** | **18.01** | **9.10** | **4.07** | **31.18** |
| | | 150 | 15.01 | 9.10 | 3.62 | 27.73 |
| $28,000 | | 100 | 24.25 | 9.80 | 5.11 | 39.15 |
| | | **125** | **19.40** | **9.80** | **4.38** | **33.58** |
| | | 150 | 16.16 | 9.80 | 3.89 | 29.86 |
| $30,000 | 11 m (36 ft.) | 100 | 25.98 | 10.50 | 5.47 | 41.95 |
| | | **125** | **20.78** | **10.50** | **4.69** | **35.97** |
| | | 150 | 17.32 | 10.50 | 4.17 | 31.99 |
| $32,000 | | 100 | 27.71 | 11.20 | 5.84 | 44.75 |
| | | **125** | **22.17** | **11.20** | **5.01** | **38.37** |
| | | 150 | 18.47 | 11.20 | 4.45 | 34.12 |
| $34,000 | | 100 | 29.44 | 11.90 | 6.20 | 47.54 |
| | | **125** | **23.55** | **11.90** | **5.32** | **40.77** |
| | | 150 | 19.63 | 11.90 | 4.73 | 36.26 |

**Note**: Rental cost does **NOT** include cost of tractor unit. See Pages 6-7

## SP COMBINES

| New Cost | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|
| | | dollars per hour | | | | | | |
| $75,000 | 100 | 64.94 | 13.12 | 11.71 | 89.78 | 8.33 | 10.00 | 108.11 |
| | 175 | 37.11 | 15.75 | 7.93 | 60.79 | 8.33 | 10.00 | 79.12 |
| | 250 | 25.98 | 18.38 | 6.65 | 51.01 | 8.33 | 10.00 | 69.34 |
| $100,000 | 100 | 86.59 | 17.50 | 15.61 | 119.70 | 11.11 | 10.00 | 140.81 |
| | 175 | 49.48 | 21.00 | 10.57 | 81.05 | 11.11 | 10.00 | 102.16 |
| | 250 | 34.64 | 24.50 | 8.87 | 68.01 | 11.11 | 10.00 | 89.12 |
| $125,000 | 100 | 108.24 | 21.87 | 19.52 | 149.63 | 13.89 | 10.00 | 173.52 |
| | 175 | 61.85 | 26.25 | 13.22 | 101.32 | 13.89 | 10.00 | 125.20 |
| | 250 | 43.30 | 30.63 | 11.09 | 85.01 | 13.89 | 10.00 | 108.90 |
| $150,000 | 100 | 129.89 | 26.25 | 23.42 | 179.56 | 16.67 | 10.00 | 206.22 |
| | 175 | 74.22 | 31.50 | 15.86 | 121.58 | 16.67 | 10.00 | 148.25 |
| | 250 | 51.95 | 36.75 | 13.31 | 102.01 | 16.67 | 10.00 | 128.68 |
| $175,000 | 100 | 151.53 | 30.62 | 27.32 | 209.48 | 19.44 | 10.00 | 238.92 |
| | 175 | 86.59 | 36.75 | 18.50 | 141.84 | 19.44 | 10.00 | 171.29 |
| | 250 | 60.61 | 42.88 | 15.52 | 119.02 | 19.44 | 10.00 | 148.46 |
| $200,000 | 100 | 173.18 | 35.00 | 31.23 | 239.41 | 22.22 | 10.00 | 271.63 |
| | 175 | 98.96 | 42.00 | 21.14 | 162.11 | 22.22 | 10.00 | 194.33 |
| | 250 | 69.27 | 49.01 | 17.74 | 136.02 | 22.22 | 10.00 | 168.24 |
| $225,000 | 100 | 194.83 | 39.37 | 35.13 | 269.33 | 25.00 | 10.00 | 304.33 |
| | 175 | 111.33 | 47.25 | 23.79 | 182.37 | 25.00 | 10.00 | 217.37 |
| | 250 | 77.93 | 55.13 | 19.96 | 153.02 | 25.00 | 10.00 | 188.02 |
| $250,000 | 100 | 216.48 | 43.75 | 39.03 | 299.26 | 27.78 | 10.00 | 337.03 |
| | 175 | 123.70 | 52.50 | 26.43 | 202.63 | 27.78 | 10.00 | 240.41 |
| | 250 | 86.59 | 61.26 | 22.18 | 170.02 | 27.78 | 10.00 | 207.80 |
| $275,000 | 100 | 238.12 | 48.12 | 42.94 | 329.18 | 30.55 | 10.00 | 369.74 |
| | 175 | 136.07 | 57.75 | 29.07 | 222.90 | 30.55 | 10.00 | 263.45 |
| | 250 | 95.25 | 67.38 | 24.39 | 187.03 | 30.55 | 10.00 | 227.58 |
| $300,000 | 100 | 259.77 | 52.50 | 46.84 | 359.11 | 33.33 | 10.00 | 402.44 |
| | 175 | 148.44 | 63.00 | 31.72 | 243.16 | 33.33 | 10.00 | 286.49 |
| | 250 | 103.91 | 73.51 | 26.61 | 204.03 | 33.33 | 10.00 | 247.36 |
| $325,000 | 100 | 281.42 | 56.87 | 50.74 | 389.04 | 36.11 | 10.00 | 435.14 |
| | 175 | 160.81 | 68.25 | 34.36 | 263.42 | 36.11 | 10.00 | 309.53 |
| | 250 | 112.57 | 79.64 | 28.83 | 221.03 | 36.11 | 10.00 | 267.14 |
| $350,000 | 100 | 303.07 | 61.25 | 54.65 | 418.96 | 38.89 | 10.00 | 467.85 |
| | 175 | 173.18 | 73.51 | 37.00 | 283.69 | 38.89 | 10.00 | 332.57 |
| | 250 | 121.23 | 85.76 | 31.05 | 238.03 | 38.89 | 10.00 | 286.92 |
| $375,000 | 100 | 324.71 | 65.62 | 58.55 | 448.89 | 41.66 | 10.00 | 500.55 |
| | 175 | 185.55 | 78.76 | 39.65 | 303.95 | 41.66 | 10.00 | 355.61 |
| | 250 | 129.89 | 91.89 | 33.27 | 255.04 | 41.66 | 10.00 | 306.70 |

## GRAIN DRYERS

| New Cost | Average size | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Power* Cost | Labour Cost | Custom Rate | Propane Cost** (see bottom of table) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | dollars per hour | | | | | | | |
| $25,000 | | 100 | 21.65 | 3.75 | 3.81 | 29.21 | 1.13 | 10.00 | 40.33 | |
| | | 150 | 14.43 | 3.75 | 2.73 | 20.91 | 1.13 | 10.00 | 32.03 | |
| | | 200 | 10.82 | 3.75 | 2.19 | 16.76 | 1.13 | 10.00 | 27.88 | |
| $30,000 | 250 bu. Recir.batch | 100 | 25.98 | 4.50 | 4.57 | 35.05 | 1.35 | 10.00 | 46.40 | |
| | | 150 | 17.32 | 4.50 | 3.27 | 25.09 | 1.35 | 10.00 | 36.44 | |
| | | 200 | 12.99 | 4.50 | 2.62 | 20.11 | 1.35 | 10.00 | 31.46 | |
| $35,000 | Stationary Batch (180 bu.) | 100 | 30.31 | 5.25 | 5.33 | 40.89 | 1.58 | 10.00 | 52.46 | |
| | | 150 | 20.20 | 5.25 | 3.82 | 29.27 | 1.58 | 10.00 | 40.85 | |
| | | 200 | 15.15 | 5.25 | 3.06 | 23.46 | 1.58 | 10.00 | 35.04 | |
| $40,000 | 350 bu. Recir. Batch | 100 | 34.64 | 6.00 | 6.10 | 46.73 | 1.80 | 10.00 | 58.53 | |
| | | 150 | 23.09 | 6.00 | 4.36 | 33.45 | 1.80 | 10.00 | 45.25 | |
| | | 200 | 17.32 | 6.00 | 3.50 | 26.82 | 1.80 | 10.00 | 38.62 | |
| $45,000 | 450 bu. Recir. Batch Small Cont. Flow | 100 | 38.97 | 6.75 | 6.86 | 52.57 | 2.03 | 10.00 | 64.60 | |
| | | 150 | 25.98 | 6.75 | 4.91 | 37.64 | 2.03 | 10.00 | 49.66 | |
| | | 200 | 19.48 | 6.75 | 3.93 | 30.17 | 2.03 | 10.00 | 42.19 | |
| $50,000 | Stationary Batch (250 bu.) | 100 | 43.30 | 7.50 | 7.62 | 58.41 | 2.25 | 10.00 | 70.66 | |
| | | 150 | 28.86 | 7.50 | 5.45 | 41.82 | 2.25 | 10.00 | 54.07 | |
| | | 200 | 21.65 | 7.50 | 4.37 | 33.52 | 2.25 | 10.00 | 45.77 | |
| $55,000 | | 100 | 47.62 | 8.25 | 8.38 | 64.26 | 2.48 | 10.00 | 76.73 | |
| | | 150 | 31.75 | 8.25 | 6.00 | 46.00 | 2.48 | 10.00 | 58.47 | |
| | | 200 | 23.81 | 8.25 | 4.81 | 36.87 | 2.48 | 10.00 | 49.35 | |
| $60,000 | Med. Cont. Flow | 100 | 51.95 | 9.00 | 9.14 | 70.10 | 2.70 | 10.00 | 82.80 | |
| | | 150 | 34.64 | 9.00 | 6.55 | 50.18 | 2.70 | 10.00 | 62.88 | |
| | | 200 | 25.98 | 9.00 | 5.25 | 40.22 | 2.70 | 10.00 | 52.92 | |
| $65,000 | | 100 | 56.28 | 9.75 | 9.91 | 75.94 | 2.93 | 10.00 | 88.86 | |
| | | 150 | 37.52 | 9.75 | 7.09 | 54.36 | 2.93 | 10.00 | 67.29 | |
| | | 200 | 28.14 | 9.75 | 5.68 | 43.58 | 2.93 | 10.00 | 56.50 | |
| $70,000 | Stationary Batch (400 bu.) | 100 | 60.61 | 10.50 | 10.67 | 81.78 | 3.15 | 10.00 | 94.93 | |
| | | 150 | 40.41 | 10.50 | 7.64 | 58.54 | 3.15 | 10.00 | 71.69 | |
| | | 200 | 30.31 | 10.50 | 6.12 | 46.93 | 3.15 | 10.00 | 60.08 | |
| $75,000 | Large Cont. Flow | 100 | 64.94 | 11.25 | 11.43 | 87.62 | 3.38 | 10.00 | 101.00 | |
| | | 150 | 43.30 | 11.25 | 8.18 | 62.73 | 3.38 | 10.00 | 76.10 | |
| | | 200 | 32.47 | 11.25 | 6.56 | 50.28 | 3.38 | 10.00 | 63.65 | |
| $80,000 | | 100 | 69.27 | 12.00 | 12.19 | 93.46 | 3.60 | 10.00 | 107.06 | |
| | | 150 | 46.18 | 12.00 | 8.73 | 66.91 | 3.60 | 10.00 | 80.51 | |
| | | 200 | 34.64 | 12.00 | 7.00 | 53.63 | 3.60 | 10.00 | 67.23 | |

New Cost should include dryer and associated grain handling equipment. Wet/dry surge and cooling bins should not be included.

*Power costs include hydro costs for dryer operation. If tractor driven, use tractor cost (plus fuel) and hydro costs for load/unload augers.

**Propane Costs:**

**Propane costs will vary greatly depending upon ambient air temperature, drying temperature, grain type, moisture removed, dryer type,etc. **Actual propane consumption** should be used in determining costs. For approximate costs, use chart below with appropriate ambient temperature correction factor. Costs assume propane at $0.30 per litre and a drying air temperature of 65 degrees C.

| | 2.5% moisture removal | 5.5% moisture removal |
|---|---|---|
| Wheat/Barley | $0.05 per bu.(w.b.)* | $0.09 per bu.(w.b.)* |
| Oilseeds | $0.04 per bu.(w.b.)* | $0.07 per bu.(w.b.)* |

*wet bushels

**Note:** Costs shown assume an ambient air temperatures of 15 degrees C.
For lower ambient air temperatures, multiply propane cost by the following factors:
15 degrees C = 1.0
-7 degrees C = 1.5
-30 degrees C = 2.0
Sample calculation shown in Appendix, page 33.

## MOWER CONDITIONERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $18,000 | 2.8 m (9.2 ft.) | 100 | 15.63 | 6.30 | 3.29 | 25.23 |
| | | 125 | 12.51 | 6.30 | 2.82 | **21.63** |
| | | 150 | 10.42 | 6.30 | 2.51 | 19.23 |
| $21,000 | | 100 | 18.24 | 7.35 | 3.84 | 29.43 |
| | | 125 | 14.59 | 7.35 | 3.29 | **25.23** |
| | | 150 | 12.16 | 7.35 | 2.93 | 22.44 |
| $25,000 | | 100 | 21.72 | 8.75 | 4.57 | 35.03 |
| | disc mower 3.15 m (10.3 ft.) | 125 | 17.37 | 8.75 | 3.92 | **30.04** |
| | | 150 | 14.48 | 8.75 | 3.48 | 26.71 |
| $29,000 | 3.7 m (12 ft.) | 100 | 25.19 | 10.15 | 5.30 | 40.64 |
| | | 125 | 20.15 | 10.15 | 4.55 | **34.85** |
| | | 150 | 16.79 | 10.15 | 4.04 | 30.98 |
| $32,000 | 4.3 m (14 ft.) | 100 | 27.80 | 11.20 | 5.85 | 44.84 |
| | disc mower 3.96 m (13 ft.) | 125 | 22.24 | 11.20 | 5.02 | **38.45** |
| | | 150 | 18.53 | 11.20 | 4.46 | 34.19 |
| $34,000 | 4.9 m (16 ft.) | 100 | 29.53 | 11.90 | 6.21 | 47.65 |
| | | 125 | 23.63 | 11.90 | 5.33 | **40.85** |
| | | 150 | 19.69 | 11.90 | 4.74 | 36.33 |
| $39,000 | | 100 | 33.88 | 13.65 | 7.13 | 54.65 |
| | disc mower 4.75 m (15.6 ft.) | 125 | 27.10 | 13.65 | 6.11 | **46.86** |
| | | 150 | 22.58 | 13.65 | 5.44 | 41.67 |

## MOWERS and RAKES

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $6,000 | | 100 | 5.66 | 2.10 | 1.16 | 8.92 |
| | | 125 | 4.53 | 2.10 | 0.99 | **7.62** |
| | | 150 | 3.77 | 2.10 | 0.88 | 6.75 |
| $7,000 | rake 2.6 m (8.5 ft.) | 100 | 6.60 | 2.45 | 1.36 | 10.41 |
| | wheel rake 4.2 m (14 ft.) | 125 | 5.28 | 2.45 | 1.16 | **8.89** |
| | | 150 | 4.40 | 2.45 | 1.03 | 7.88 |
| $8,000 | rake 2.9 m (9.5 ft.) | 100 | 7.54 | 2.80 | 1.55 | 11.89 |
| | mower 2.7 m (9 ft.) | 125 | 6.03 | 2.80 | 1.33 | **10.16** |
| | | 150 | 5.03 | 2.80 | 1.17 | 9.00 |
| $9,000 | | 100 | 8.49 | 3.15 | 1.75 | 13.38 |
| | | 125 | 6.79 | 3.15 | 1.49 | **11.43** |
| | | 150 | 5.66 | 3.15 | 1.32 | 10.13 |
| $10,000 | | 100 | 9.43 | 3.50 | 1.94 | 14.87 |
| | wheel rake 7.6 m (25 ft.) | 125 | 7.54 | 3.50 | 1.66 | **12.70** |
| | | 150 | 6.29 | 3.50 | 1.47 | 11.25 |

**NOTE**: Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## BALE MOVERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $10,000 | 7 round bales | 100 | 8.66 | 3.00 | 1.75 | 13.41 |
| | | 150 | 5.77 | 3.00 | 1.32 | 10.09 |
| | | 200 | 4.33 | 3.00 | 1.10 | 8.43 |
| $13,000 | 9 round bales | 100 | 11.26 | 3.90 | 2.27 | 17.43 |
| | | 150 | 7.50 | 3.90 | 1.71 | 13.12 |
| | | 200 | 5.63 | 3.90 | 1.43 | 10.96 |
| $16,000 | 3 large square bales | 100 | 13.85 | 4.80 | 2.80 | 21.45 |
| | | 150 | 9.24 | 4.80 | 2.11 | 16.14 |
| | | 200 | 6.93 | 4.80 | 1.76 | 13.49 |
| $19,000 | 14 round bales | 100 | 16.45 | 5.70 | 3.32 | 25.47 |
| | | 150 | 10.97 | 5.70 | 2.50 | 19.17 |
| | | 200 | 8.23 | 5.70 | 2.09 | 16.01 |
| $22,000 | | 100 | 19.05 | 6.60 | 3.85 | 29.50 |
| | | 150 | 12.70 | 6.60 | 2.89 | 22.19 |
| | | 200 | 9.52 | 6.60 | 2.42 | 18.54 |

## PTO FORAGE HARVESTERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $20,000 | | 75 | 23.16 | 8.00 | 4.67 | 35.84 |
| | | 100 | 17.37 | 8.00 | 3.81 | 29.18 |
| | | 125 | 13.90 | 8.00 | 3.28 | 25.18 |
| $25,000 | | 75 | 28.95 | 10.00 | 5.84 | 44.80 |
| | | 100 | 21.72 | 10.00 | 4.76 | 36.47 |
| | | 125 | 17.37 | 10.00 | 4.11 | 31.48 |
| $30,000 | small - pickup header 100 kW (134 hp) | 75 | 34.74 | 12.00 | 7.01 | 53.76 |
| | | 100 | 26.06 | 12.00 | 5.71 | 43.77 |
| | | 125 | 20.85 | 12.00 | 4.93 | 37.77 |
| $35,000 | small - rowcrop header 100 kW (134 hp) | 75 | 40.53 | 14.00 | 8.18 | 62.71 |
| | | 100 | 30.40 | 14.00 | 6.66 | 51.06 |
| | | 125 | 24.32 | 14.00 | 5.75 | 44.07 |
| $40,000 | medium - pickup header 135 kW(180 hp) | 75 | 46.33 | 16.00 | 9.35 | 71.67 |
| | | 100 | 34.74 | 16.00 | 7.61 | 58.36 |
| | | 125 | 27.80 | 16.00 | 6.57 | 50.36 |
| $45,000 | medium - rowcrop header 135 kW (180 hp) | 75 | 52.12 | 18.00 | 10.52 | 80.63 |
| | | 100 | 39.09 | 18.00 | 8.56 | 65.65 |
| | | 125 | 31.27 | 18.00 | 7.39 | 56.66 |
| $50,000 | large - pickup header 185 kW (250 hp) | 75 | 57.91 | 20.00 | 11.69 | 89.59 |
| | | 100 | 43.43 | 20.00 | 9.51 | 72.94 |
| | | 125 | 34.74 | 20.00 | 8.21 | 62.96 |
| $55,000 | large - rowcrop header 185 kW (250 hp) | 75 | 63.70 | 22.00 | 12.85 | 98.55 |
| | | 100 | 47.77 | 22.00 | 10.47 | 80.24 |
| | | 125 | 38.22 | 22.00 | 9.03 | 69.25 |

**Note**: Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## SP FORAGE HARVESTERS

| New Cost | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|
| | | dollars per hour | | | | | | |
| $160,000 | 350 | 40.29 | 48.00 | 13.24 | 101.54 | 22.53 | 10.00 | 134.06 |
| | 400 | 35.26 | 48.00 | 12.49 | 95.74 | 22.53 | 10.00 | 128.27 |
| | 450 | 31.34 | 48.00 | 11.90 | 91.24 | 22.53 | 10.00 | 123.77 |
| $180,000 | 350 | 45.33 | 54.00 | 14.90 | 114.23 | 25.34 | 10.00 | 149.57 |
| | 400 | 39.66 | 54.00 | 14.05 | 107.71 | 25.34 | 10.00 | 143.06 |
| | 450 | 35.26 | 54.00 | 13.39 | 102.64 | 25.34 | 10.00 | 137.99 |
| $200,000 | 350 | 50.37 | 60.00 | 16.55 | 126.92 | 28.16 | 10.00 | 165.08 |
| | 400 | 44.07 | 60.00 | 15.61 | 119.68 | 28.16 | 10.00 | 157.84 |
| | 450 | 39.17 | 60.00 | 14.88 | 114.05 | 28.16 | 10.00 | 152.21 |
| $220,000 | 350 | 55.40 | 66.00 | 18.21 | 139.61 | 30.98 | 10.00 | 180.59 |
| | 400 | 48.48 | 66.00 | 17.17 | 131.65 | 30.98 | 10.00 | 172.62 |
| | 450 | 43.09 | 66.00 | 16.36 | 125.45 | 30.98 | 10.00 | 166.43 |
| $240,000 | 350 | 60.44 | 72.00 | 19.87 | 152.30 | 33.79 | 10.00 | 196.10 |
| | 400 | 52.88 | 72.00 | 18.73 | 143.62 | 33.79 | 10.00 | 187.41 |
| | 450 | 47.01 | 72.00 | 17.85 | 136.86 | 33.79 | 10.00 | 180.65 |
| $260,000 | 350 | 65.48 | 78.00 | 21.52 | 165.00 | 36.61 | 10.00 | 211.60 |
| | 400 | 57.29 | 78.00 | 20.29 | 155.58 | 36.61 | 10.00 | 202.19 |
| | 450 | 50.93 | 78.00 | 19.34 | 148.26 | 36.61 | 10.00 | 194.87 |
| $280,000 | 350 | 70.51 | 84.00 | 23.18 | 177.69 | 39.42 | 10.00 | 227.11 |
| | 400 | 61.70 | 84.00 | 21.85 | 167.55 | 39.42 | 10.00 | 216.98 |
| | 450 | 54.84 | 84.00 | 20.83 | 159.67 | 39.42 | 10.00 | 209.09 |
| $300,000 | 350 | 75.55 | 90.00 | 24.83 | 190.38 | 42.24 | 10.00 | 242.62 |
| | 400 | 66.11 | 90.00 | 23.42 | 179.52 | 42.24 | 10.00 | 231.76 |
| | 450 | 58.76 | 90.00 | 22.31 | 171.07 | 42.24 | 10.00 | 223.31 |
| $320,000 | 350 | 80.59 | 96.00 | 26.49 | 203.07 | 45.06 | 10.00 | 258.13 |
| | 400 | 70.51 | 96.00 | 24.98 | 191.49 | 45.06 | 10.00 | 246.54 |
| | 450 | 62.68 | 96.00 | 23.80 | 182.48 | 45.06 | 10.00 | 237.53 |
| $340,000 | 350 | 85.62 | 102.00 | 28.14 | 215.76 | 47.87 | 10.00 | 273.64 |
| | 400 | 74.92 | 102.00 | 26.54 | 203.46 | 47.87 | 10.00 | 261.33 |
| | 450 | 66.59 | 102.00 | 25.29 | 193.88 | 47.87 | 10.00 | 251.76 |
| $360,000 | 350 | 90.66 | 108.00 | 29.80 | 228.46 | 50.69 | 10.00 | 289.15 |
| | 400 | 79.33 | 108.00 | 28.10 | 215.42 | 50.69 | 10.00 | 276.11 |
| | 450 | 70.51 | 108.00 | 26.78 | 205.29 | 50.69 | 10.00 | 265.98 |
| $380,000 | 350 | 95.69 | 114.00 | 31.45 | 241.15 | 53.50 | 10.00 | 304.65 |
| | 400 | 83.73 | 114.00 | 29.66 | 227.39 | 53.50 | 10.00 | 290.90 |
| | 450 | 74.43 | 114.00 | 28.26 | 216.69 | 53.50 | 10.00 | 280.20 |
| $400,000 | 350 | 100.73 | 120.00 | 33.11 | 253.84 | 56.32 | 10.00 | 320.16 |
| | 400 | 88.14 | 120.00 | 31.22 | 239.36 | 56.32 | 10.00 | 305.68 |
| | 450 | 78.35 | 120.00 | 29.75 | 228.10 | 56.32 | 10.00 | 294.42 |

## FORAGE BLOWERS and WAGONS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $7,500 | med. capacity blower | 100 | 6.49 | 2.25 | 1.31 | 10.06 |
| | | **150** | **4.33** | **2.25** | **0.99** | **7.57** |
| | | 200 | 3.25 | 2.25 | 0.82 | 6.32 |
| $10,000 | high capacity blower | 100 | 8.66 | 3.00 | 1.75 | 13.41 |
| | | **150** | **5.77** | **3.00** | **1.32** | **10.09** |
| | | 200 | 4.33 | 3.00 | 1.10 | 8.43 |
| $12,500 | | 100 | 10.82 | 3.75 | 2.19 | 16.76 |
| | | **150** | **7.22** | **3.75** | **1.64** | **12.61** |
| | | 200 | 5.41 | 3.75 | 1.37 | **10.54** |
| $15,000 | S.U.22 cu. m (780 cu.ft.) H.D.16 cu. m (560 cu.ft.) | 100 | 12.99 | 4.50 | 2.62 | 20.11 |
| | | **150** | **8.66** | **4.50** | **1.97** | **15.13** |
| | | 200 | 6.49 | 4.50 | 1.65 | 12.64 |
| $17,500 | S.U.27 cu. m (940 cu.ft.) H.D.19 cu. m (670 cu.ft.) | 100 | 15.15 | 5.25 | 3.06 | 23.46 |
| | | **150** | **10.10** | **5.25** | **2.30** | **17.65** |
| | | 200 | 7.58 | 5.25 | 1.92 | 14.75 |
| $20,000 | S.U.31 cu. m (1100 cu.ft.) H.D.22 cu. m (780 cu.ft.) | 100 | 17.32 | 6.00 | 3.50 | 26.82 |
| | | **150** | **11.55** | **6.00** | **2.63** | **20.18** |
| | | 200 | 8.66 | 6.00 | 2.20 | 16.86 |
| $22,500 | H.D.25 cu. m (890 cu.ft.) | 100 | 19.48 | 6.75 | 3.93 | 30.17 |
| | | **150** | **12.99** | **6.75** | **2.96** | **22.70** |
| | | 200 | 9.74 | 6.75 | 2.47 | 18.97 |
| $25,000 | H.D.28 cu. m (1000 cu.ft.) | 100 | 21.65 | 7.50 | 4.37 | 33.52 |
| | | **150** | **14.43** | **7.50** | **3.29** | **25.22** |
| | | 200 | 10.82 | 7.50 | 2.75 | 21.07 |

S.U. = self unloading forage wagon
H.D. = high dump forage wagon

**Note:** Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## ROUND BALERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $17,000 | | 75 | 19.69 | 5.10 | 3.72 | 28.51 |
| | | 100 | 14.77 | 5.10 | 2.98 | **22.85** |
| | | 125 | 11.81 | 5.10 | 2.54 | 19.45 |
| $19,000 | 1.2 x 1.2 m (4 x 4 ft.) (dia. x width) | 75 | 22.00 | 5.70 | 4.16 | 31.86 |
| | | 100 | 16.50 | 5.70 | 3.33 | **25.53** |
| | | 125 | 13.20 | 5.70 | 2.84 | 21.74 |
| $21,000 | | 75 | 24.32 | 6.30 | 4.59 | 35.21 |
| | | 100 | 18.24 | 6.30 | 3.68 | **28.22** |
| | | 125 | 14.59 | 6.30 | 3.13 | 24.03 |
| $23,000 | 1.2 x 1.5 m (4 x 5 ft.) (dia. x width) | 75 | 26.64 | 6.90 | 5.03 | 38.57 |
| | | 100 | 19.98 | 6.90 | 4.03 | **30.91** |
| | | 125 | 15.98 | 6.90 | 3.43 | 26.31 |
| $25,000 | | 75 | 28.95 | 7.50 | 5.47 | 41.92 |
| | | 100 | 21.72 | 7.50 | 4.38 | **33.60** |
| | | 125 | 17.37 | 7.50 | 3.73 | 28.60 |
| $27,000 | 1.8 x 1.2 m (6 x 4 ft.) 1.5 x 1.2 m (5 x 4 ft.) (dia. x width) | 75 | 31.27 | 8.10 | 5.91 | 45.28 |
| | | 100 | 23.45 | 8.10 | 4.73 | **36.29** |
| | | 125 | 18.76 | 8.10 | 4.03 | 30.89 |
| $29,000 | | 75 | 33.59 | 8.70 | 6.34 | 48.63 |
| | | 100 | 25.19 | 8.70 | 5.08 | **38.97** |
| | | 125 | 20.15 | 8.70 | 4.33 | 33.18 |
| $32,000 | | 75 | 37.06 | 9.60 | 7.00 | 53.66 |
| | | 100 | 27.80 | 9.60 | 5.61 | **43.00** |
| | | 125 | 22.24 | 9.60 | 4.78 | 36.61 |
| $35,000 | 1.8 x 1.5 m (6 x 5 ft.) (dia. x width) | 75 | 40.53 | 10.50 | 7.66 | 58.69 |
| | | 100 | 30.40 | 10.50 | 6.14 | **47.04** |
| | | 125 | 24.32 | 10.50 | 5.22 | 40.04 |
| $39,000 | | 75 | 45.17 | 11.70 | 8.53 | 65.40 |
| | | 100 | 33.88 | 11.70 | 6.84 | **52.41** |
| | | 125 | 27.10 | 11.70 | 5.82 | 44.62 |

**NOTE**: Twine cost is not included. Mesh or net wrap adds $3-5000 to the above costs.

*There is a wide variation in round baler prices, so your baler size may not agree with the new cost indicated. In this case, use the **actual new cost.**

Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## SQUARE BALERS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| **Small Square** | | | | | | |
| $18,000 | 36 x 46 cm (14 x 18 in.) | 75 | 20.85 | 6.30 | 4.07 | 31.22 |
| | | **100** | **15.63** | **6.30** | **3.29** | **25.23** |
| | | 125 | 12.51 | 6.30 | 2.82 | 21.63 |
| $21,000 | 36 x 46 cm (14 x 18 in.) | 75 | 24.32 | 7.35 | 4.75 | 36.42 |
| | | **100** | **18.24** | **7.35** | **3.84** | **29.43** |
| | | 125 | 14.59 | 7.35 | 3.29 | 25.23 |
| $24,000 | | 75 | 27.80 | 8.40 | 5.43 | 41.62 |
| | | **100** | **20.85** | **8.40** | **4.39** | **33.63** |
| | | 125 | 16.68 | 8.40 | 3.76 | 28.84 |
| $27,000 | 41 x 46 cm (16 x 18 in.) | 75 | 31.27 | 9.45 | 6.11 | 46.83 |
| | | **100** | **23.45** | **9.45** | **4.94** | **37.84** |
| | | 125 | 18.76 | 9.45 | 4.23 | 32.44 |
| $30,000 | 41 x 46 cm (16 x 18 in.) | 75 | 34.74 | 10.50 | 6.79 | 52.03 |
| | | **100** | **26.06** | **10.50** | **5.48** | **42.04** |
| | | 125 | 20.85 | 10.50 | 4.70 | 36.05 |
| **Big Square** | | | | | | |
| $75,000 | | 100 | 65.15 | 26.25 | 13.71 | 105.10 |
| | | **150** | **43.43** | **26.25** | **10.45** | **80.13** |
| | | 200 | 32.57 | 26.25 | 8.82 | 67.65 |
| $85,000 | 80 x 90 cm(31.5" x 35.4") | 100 | 73.83 | 29.75 | 15.54 | 119.12 |
| | | **150** | **49.22** | **29.75** | **11.85** | **90.82** |
| | | 200 | 36.92 | 29.75 | 10.00 | 76.67 |
| $95,000 | | 100 | 82.52 | 33.25 | 17.37 | 133.13 |
| | | **150** | **55.01** | **33.25** | **13.24** | **101.50** |
| | | 200 | 41.26 | 33.25 | 11.18 | 85.68 |
| $105,000 | 90 x 120 cm (36" x 48") | 100 | 91.20 | 36.75 | 19.19 | 147.15 |
| | | **150** | **60.80** | **36.75** | **14.63** | **112.18** |
| | | 200 | 45.60 | 36.75 | 12.35 | 94.70 |
| $115,000 | 118 x 127 cm (47" x 50") | 100 | 99.89 | 40.25 | 21.02 | 161.16 |
| | | **150** | **66.59** | **40.25** | **16.03** | **122.87** |
| | | 200 | 49.94 | 40.25 | 13.53 | 103.72 |

**Note:** Twine cost is not included in the above rates.
Rental rate does **NOT** include cost of tractor unit. See Pages 6-7.

## SP BALE WAGONS

| New Cost | Average size | Annual Hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate |
|---|---|---|---|---|---|---|---|---|---|
| | | | dollars per hour | | | | | | |
| $90,000 | | 150 | 51.95 | 2.25 | 8.13 | 62.33 | 6.75 | 10.00 | 79.08 |
| | | **200** | **38.97** | **2.25** | **6.18** | **47.40** | **6.75** | **10.00** | **64.15** |
| | | 250 | 31.17 | 2.25 | 5.01 | 38.44 | 6.75 | 10.00 | 55.19 |
| $100,000 | | 150 | 57.73 | 2.50 | 9.03 | 69.26 | 7.50 | 10.00 | 86.76 |
| | | **200** | **43.30** | **2.50** | **6.87** | **52.66** | **7.50** | **10.00** | **70.16** |
| | | 250 | 34.64 | 2.50 | 5.57 | 42.71 | 7.50 | 10.00 | 60.21 |
| $110,000 | | 150 | 63.50 | 2.75 | 9.94 | 76.19 | 8.25 | 10.00 | 94.44 |
| | | **200** | **47.62** | **2.75** | **7.56** | **57.93** | **8.25** | **10.00** | **76.18** |
| | | 250 | 38.10 | 2.75 | 6.13 | 46.98 | 8.25 | 10.00 | 65.23 |
| $120,000 | | 150 | 69.27 | 3.00 | 10.84 | 83.11 | 9.00 | 10.00 | 102.11 |
| | | **200** | **51.95** | **3.00** | **8.24** | **63.20** | **9.00** | **10.00** | **82.20** |
| | | 250 | 41.56 | 3.00 | 6.68 | 51.25 | 9.00 | 10.00 | 70.25 |
| $130,000 | 160 bales | 150 | 75.04 | 3.25 | 11.74 | 90.04 | 9.75 | 10.00 | 109.79 |
| | 36 x 46 cm | **200** | **56.28** | **3.25** | **8.93** | **68.46** | **9.75** | **10.00** | **88.21** |
| | (14 x 18 in. ) | 250 | 45.03 | 3.25 | 7.24 | 55.52 | 9.75 | 10.00 | 75.27 |
| $140,000 | | 150 | 80.82 | 3.50 | 12.65 | 96.96 | 10.50 | 10.00 | 117.46 |
| | | **200** | **60.61** | **3.50** | **9.62** | **73.73** | **10.50** | **10.00** | **94.23** |
| | | 250 | 48.49 | 3.50 | 7.80 | 59.79 | 10.50 | 10.00 | 80.29 |

## PTO BALE WAGONS

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $20,000 | | 100 | 17.32 | 5.00 | 3.35 | 25.67 |
| | | **150** | **11.55** | **5.00** | **2.48** | **19.03** |
| | | 200 | 8.66 | 5.00 | 2.05 | 15.71 |
| $26,000 | 83 bales | 100 | 22.51 | 6.50 | 4.35 | 33.37 |
| | 36 x 46 cm | **150** | **15.01** | **6.50** | **3.23** | **24.74** |
| | (14 x 18 in. ) | 200 | 11.26 | 6.50 | 2.66 | 20.42 |
| $32,000 | | 100 | 27.71 | 8.00 | 5.36 | 41.07 |
| | | **150** | **18.47** | **8.00** | **3.97** | **30.44** |
| | | 200 | 13.85 | 8.00 | 3.28 | 25.13 |
| $38,000 | 55 bales | 100 | 32.90 | 9.50 | 6.36 | 48.76 |
| | 41 x 46 cm | **150** | **21.94** | **9.50** | **4.72** | **36.15** |
| | (16 x 18 in. ) | 200 | 16.45 | 9.50 | 3.89 | 29.84 |
| $44,000 | 104 bales | 100 | 38.10 | 11.00 | 7.36 | 56.46 |
| | 36 x 46 cm | **150** | **25.40** | **11.00** | **5.46** | **41.86** |
| | (14 x 18 in.) | 200 | 19.05 | 11.00 | 4.51 | 34.56 |
| $50,000 | | 100 | 43.30 | 12.50 | 8.37 | 64.16 |
| | | **150** | **28.86** | **12.50** | **6.20** | **47.57** |
| | | 200 | 21.65 | 12.50 | 5.12 | 39.27 |

**Note**: Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

# POTATO EQUIPMENT

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $45,000 | Band Sprayer (96') | 100 | 38.97 | 15.75 | 8.21 | 62.92 |
| | | **150** | **25.98** | **15.75** | **6.26** | **47.99** |
| | | 200 | 19.48 | 15.75 | 5.28 | 40.52 |
| $50,000 | | 100 | 43.30 | 17.50 | 9.12 | 69.91 |
| | | **150** | **28.86** | **17.50** | **6.95** | **53.32** |
| | | 200 | 21.65 | 17.50 | 5.87 | 45.02 |
| $55,000 | | 100 | 47.62 | 19.25 | 10.03 | 76.91 |
| | | **150** | **31.75** | **19.25** | **7.65** | **58.65** |
| | | 200 | 23.81 | 19.25 | 6.46 | 49.52 |
| $60,000 | | 100 | 51.95 | 21.00 | 10.94 | 83.90 |
| | | **150** | **34.64** | **21.00** | **8.35** | **63.98** |
| | | 200 | 25.98 | 21.00 | 7.05 | 54.02 |
| $65,000 | 6 row potato planter | 100 | 56.28 | 22.75 | 11.86 | 90.89 |
| | | **150** | **37.52** | **22.75** | **9.04** | **69.31** |
| | | 200 | 28.14 | 22.75 | 7.63 | 58.53 |
| $70,000 | 2 row potato harvester | 100 | 60.61 | 24.50 | 12.77 | 97.88 |
| | | **150** | **40.41** | **24.50** | **9.74** | **74.64** |
| | | 200 | 30.31 | 24.50 | 8.22 | 63.03 |
| $75,000 | | 100 | 64.94 | 26.25 | 13.68 | 104.87 |
| | | **150** | **43.30** | **26.25** | **10.43** | **79.98** |
| | | 200 | 32.47 | 26.25 | 8.81 | 67.53 |
| $80,000 | 8 row potato planter | 100 | 69.27 | 28.00 | 14.59 | 111.86 |
| | | **150** | **46.18** | **28.00** | **11.13** | **85.31** |
| | | 200 | 34.64 | 28.00 | 9.40 | **72.03** |
| $85,000 | | 100 | 73.60 | 29.75 | 15.50 | 118.85 |
| | | **150** | **49.07** | **29.75** | **11.82** | **90.64** |
| | | 200 | 36.80 | 29.75 | 9.98 | 76.53 |
| $90,000 | | 100 | 77.93 | 31.50 | 16.41 | 125.85 |
| | | **150** | **51.95** | **31.50** | **12.52** | **95.97** |
| | | 200 | 38.97 | 31.50 | 10.57 | 81.04 |
| $100,000 | 3 row potato harvester | 100 | 86.59 | 35.00 | 18.24 | 139.83 |
| | | **150** | **57.73** | **35.00** | **13.91** | **106.64** |
| | | 200 | 43.30 | 35.00 | 11.74 | 90.04 |
| $105,000 | | 100 | 90.92 | 36.75 | 19.15 | 146.82 |
| | | **150** | **60.61** | **36.75** | **14.60** | **111.97** |
| | | 200 | 45.46 | 36.75 | 12.33 | 94.54 |
| $115,000 | | 100 | 99.58 | 40.25 | 20.97 | 160.80 |
| | | **150** | **66.39** | **40.25** | **16.00** | **122.63** |
| | | 200 | 49.79 | 40.25 | 13.51 | 103.55 |
| $125,000 | 4 row potato harvester | 100 | 108.24 | 43.75 | 22.80 | 174.79 |
| | | **150** | **72.16** | **43.75** | **17.39** | **133.29** |
| | | 200 | 54.12 | 43.75 | 14.68 | 112.55 |

**Note:** Rental cost does **NOT** include cost of tractor unit. See Pages 6-7.

## FARMYARD EQUIPMENT (Grain)

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | dollars per hour | | | |
| $4,000 | auger 7" x 41 ft. snowblower (96") | 100 | 3.46 | 1.20 | 0.70 | 5.36 |
| | | **150** | **2.31** | **1.20** | **0.53** | **4.04** |
| | | 200 | 1.73 | 1.20 | 0.44 | 3.37 |
| $5,000 | auger 8" x 51 ft. snowblower (102") | 100 | 4.33 | 1.50 | 0.87 | 6.70 |
| | | **150** | **2.89** | **1.50** | **0.66** | **5.04** |
| | | 200 | 2.16 | 1.50 | 0.55 | 4.21 |
| $6,000 | auger 10" x 51 ft. * or 8" x 62 ft. * | 100 | 5.20 | 1.80 | 1.05 | 8.04 |
| | | **150** | **3.46** | **1.80** | **0.79** | **6.05** |
| | | 200 | 2.60 | 1.80 | 0.66 | 5.06 |
| $7,500 | auger 10" x 70 ft. * | 100 | 6.49 | 2.25 | 1.31 | 10.06 |
| | | **150** | **4.33** | **2.25** | **0.99** | **7.57** |
| | | 200 | 3.25 | 2.25 | 0.82 | 6.32 |
| $9,500 | small grain vac | 100 | 8.23 | 2.85 | 1.66 | 12.74 |
| | | **150** | **5.48** | **2.85** | **1.25** | **9.58** |
| | | 200 | 4.11 | 2.85 | 1.04 | 8.01 |
| $12,000 | auger 13"x 70 ft. * | 100 | 10.39 | 3.60 | 2.10 | 16.09 |
| | | **150** | **6.93** | **3.60** | **1.58** | **12.11** |
| | | 200 | 5.20 | 3.60 | 1.32 | 10.11 |
| $14,500 | med. grain vac | 100 | 12.56 | 4.35 | 2.54 | 19.44 |
| | | **150** | **8.37** | **4.35** | **1.91** | **14.63** |
| | | 200 | 6.28 | 4.35 | 1.59 | 12.22 |
| $16,500 | field scraper auger 13" x 90 ft. | 100 | 14.29 | 4.95 | 2.89 | 22.12 |
| | | **150** | **9.52** | **4.95** | **2.17** | **16.65** |
| | | 200 | 7.14 | 4.95 | 1.81 | 13.91 |
| $19,000 | large grain vac. | 100 | 16.45 | 5.70 | 3.32 | 25.47 |
| | | **150** | **10.97** | **5.70** | **2.50** | **19.17** |
| | | 200 | 8.23 | 5.70 | 2.09 | 16.01 |
| $21,000 | | 100 | 18.18 | 6.30 | 3.67 | 28.16 |
| | | **150** | **12.12** | **6.30** | **2.76** | **21.19** |
| | | 200 | 9.09 | 6.30 | 2.31 | 17.70 |

**Includes:**
Augers
Grain vacs
Scrapers
Snowblowers

*auger with swing away hopper

## FARMYARD EQUIPMENT (Livestock)

| New Cost | Average size | Annual hours | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate |
|---|---|---|---|---|---|---|
| | | | | dollars per hour | | |
| $5,000 | | 100 | 4.33 | 1.50 | 0.87 | 6.70 |
| | | **150** | **2.89** | **1.50** | **0.66** | **5.04** |
| | | 200 | 2.16 | 1.50 | 0.55 | 4.21 |
| $6,000 | | 100 | 5.20 | 1.80 | 1.05 | 8.04 |
| | | **150** | **3.46** | **1.80** | **0.79** | **6.05** |
| | | 200 | 2.60 | 1.80 | 0.66 | 5.06 |
| $7,000 | F.E.Loader (70 hp) | 100 | 6.06 | 2.10 | 1.22 | 9.39 |
| | Cattle Trailer 12' | **150** | **4.04** | **2.10** | **0.92** | **7.06** |
| | Post Driver | 200 | 3.03 | 2.10 | 0.77 | 5.90 |
| $8,500 | F.E.Loader (70 - 90 hp) | 100 | 7.36 | 2.55 | 1.49 | 11.40 |
| | Cattle Trailer 16' | **150** | **4.91** | **2.55** | **1.12** | **8.58** |
| | | 200 | 3.68 | 2.55 | 0.93 | 7.16 |
| $10,500 | F.E.Loader (90 -120 hp) | 100 | 9.09 | 3.15 | 1.84 | 14.08 |
| | Cattle Trailer 20' | **150** | **6.06** | **3.15** | **1.38** | **10.59** |
| | | 200 | 4.55 | 3.15 | 1.15 | 8.85 |
| $12,500 | F.E.Loader (120-150 hp) | 100 | 10.82 | 3.75 | 2.19 | 16.76 |
| | Bale Processor | **150** | **7.22** | **3.75** | **1.64** | **12.61** |
| | | 200 | 5.41 | 3.75 | 1.37 | 10.54 |
| $15,000 | F.E.Loader (over 150 hp) | 100 | 12.99 | 4.50 | 2.62 | 20.11 |
| | portable grinder mixer ** | **150** | **8.66** | **4.50** | **1.97** | **15.13** |
| | 3.6 cu. m capacity (100 bus.) | 200 | 6.49 | 4.50 | 1.65 | 12.64 |
| $20,500 | portable grinder mixer ** | 100 | 17.75 | 6.15 | 3.59 | 27.49 |
| | 4.9 cu. m capacity (135 bus.) | **150** | **11.83** | **6.15** | **2.70** | **20.68** |
| | tub grinder | 200 | 8.88 | 6.15 | 2.25 | 17.28 |
| $25,500 | | 100 | 22.08 | 7.65 | 4.46 | 34.19 |
| | tub grinder | **150** | **14.72** | **7.65** | **3.36** | **25.73** |
| | | 200 | 11.04 | 7.65 | 2.80 | 21.49 |
| $32,000 | | 100 | 27.71 | 9.60 | 5.60 | 42.91 |
| | tub grinder | **150** | **18.47** | **9.60** | **4.21** | **32.28** |
| | | 200 | 13.85 | 9.60 | 3.52 | 26.97 |

**Includes:**

Bale Processors
Feed Mixers
Cattle Trailers
Post Drivers
Front end loader

**scale for grinder-mixers $3000 extra

# TRUCKS

| New Cost | Annual kilometres | Fixed Costs | Repairs & Maint. | Margin @ 15 % | Rental Rate | Fuel Cost | Labour Cost | Custom Rate | STANDBY CHARGES (not including labour) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | dollars per kilometre | | | | | | | $ per day | plus $ per km |
| $25,000 | 10000 | 0.22 | 0.04 | 0.04 | 0.30 | 0.06 | 0.11 | 0.47 | | |
| | 14000 | 0.15 | 0.05 | 0.03 | 0.23 | 0.06 | 0.11 | 0.41 | 12.45 | 0.12 |
| | 18000 | 0.12 | 0.05 | 0.03 | 0.20 | 0.06 | 0.11 | 0.37 | | |
| $35,000 | 10000 | 0.30 | 0.06 | 0.05 | 0.42 | 0.09 | 0.11 | 0.62 | | |
| | 14000 | 0.22 | 0.07 | 0.04 | 0.33 | 0.09 | 0.11 | 0.52 | 17.43 | 0.16 |
| | 18000 | 0.17 | 0.07 | 0.04 | 0.28 | 0.09 | 0.11 | 0.47 | | |
| $45,000 | 10000 | 0.39 | 0.08 | 0.07 | 0.54 | 0.11 | 0.11 | 0.76 | | |
| | 14000 | 0.28 | 0.09 | 0.05 | 0.42 | 0.11 | 0.11 | 0.64 | 22.41 | 0.21 |
| | 18000 | 0.22 | 0.09 | 0.05 | 0.36 | 0.11 | 0.11 | 0.58 | | |
| $55,000 | 10000 | 0.48 | 0.10 | 0.09 | 0.66 | 0.14 | 0.11 | 0.91 | | |
| | 14000 | 0.34 | 0.11 | 0.07 | 0.51 | 0.14 | 0.11 | 0.76 | 27.38 | 0.26 |
| | 18000 | 0.26 | 0.11 | 0.06 | 0.44 | 0.14 | 0.11 | 0.68 | | |
| $65,000 | 10000 | 0.56 | 0.11 | 0.10 | 0.78 | 0.16 | 0.11 | 1.05 | | |
| | 14000 | 0.40 | 0.12 | 0.08 | 0.61 | 0.16 | 0.11 | 0.88 | 32.36 | 0.31 |
| | 18000 | 0.31 | 0.13 | 0.07 | 0.51 | 0.16 | 0.11 | 0.79 | | |
| $75,000 | 10000 | 0.65 | 0.13 | 0.12 | 0.90 | 0.19 | 0.11 | 1.20 | | |
| | 14000 | 0.46 | 0.14 | 0.09 | 0.70 | 0.19 | 0.11 | 1.00 | 37.34 | 0.35 |
| | 18000 | 0.36 | 0.16 | 0.08 | 0.59 | 0.19 | 0.11 | 0.89 | | |
| $85,000 | 10000 | 0.74 | 0.15 | 0.13 | 1.02 | 0.21 | 0.11 | 1.34 | | |
| | 14000 | 0.53 | 0.16 | 0.10 | 0.79 | 0.21 | 0.11 | 1.11 | 42.32 | 0.40 |
| | 18000 | 0.41 | 0.18 | 0.09 | 0.67 | 0.21 | 0.11 | 1.00 | | |
| $95,000 | 10000 | 0.82 | 0.17 | 0.15 | 1.14 | 0.24 | 0.11 | 1.48 | | |
| | 14000 | 0.59 | 0.18 | 0.12 | 0.88 | 0.24 | 0.11 | 1.23 | 47.30 | 0.45 |
| | 18000 | 0.46 | 0.20 | 0.10 | 0.75 | 0.24 | 0.11 | 1.10 | | |
| $105,000 | 12000 | 0.76 | 0.19 | 0.14 | 1.09 | 0.26 | 0.11 | 1.46 | | |
| | 17000 | 0.53 | 0.21 | 0.11 | 0.86 | 0.26 | 0.11 | 1.23 | 52.28 | 0.51 |
| | 22000 | 0.41 | 0.23 | 0.10 | 0.74 | 0.26 | 0.11 | 1.12 | | |
| $115,000 | 12000 | 0.83 | 0.21 | 0.16 | 1.20 | 0.29 | 0.11 | 1.59 | | |
| | 17000 | 0.59 | 0.23 | 0.12 | 0.94 | 0.29 | 0.11 | 1.34 | 57.26 | 0.56 |
| | 22000 | 0.45 | 0.26 | 0.11 | 0.82 | 0.29 | 0.11 | 1.21 | | |
| $125,000 | 12000 | 0.90 | 0.23 | 0.17 | 1.30 | 0.31 | 0.11 | 1.72 | | |
| | 17000 | 0.64 | 0.25 | 0.13 | 1.02 | 0.31 | 0.11 | 1.45 | 62.24 | 0.60 |
| | 22000 | 0.49 | 0.28 | 0.12 | 0.89 | 0.31 | 0.11 | 1.31 | | |
| $135,000 | 12000 | 0.97 | 0.25 | 0.18 | 1.40 | 0.34 | 0.11 | 1.85 | | |
| | 17000 | 0.69 | 0.27 | 0.14 | 1.11 | 0.34 | 0.11 | 1.55 | 67.22 | 0.65 |
| | 22000 | 0.53 | 0.30 | 0.12 | 0.96 | 0.34 | 0.11 | 1.40 | | |
| $145,000 | 17000 | 0.74 | 0.29 | 0.15 | 1.19 | 0.36 | 0.11 | 1.66 | | |
| | 22000 | 0.57 | 0.32 | 0.13 | 1.03 | 0.36 | 0.11 | 1.50 | 72.19 | 0.73 |
| | 27000 | 0.47 | 0.35 | 0.12 | 0.94 | 0.36 | 0.11 | 1.41 | | |
| $155,000 | 17000 | 0.79 | 0.31 | 0.17 | 1.27 | 0.39 | 0.11 | 1.77 | | |
| | 22000 | 0.61 | 0.35 | 0.14 | 1.10 | 0.39 | 0.11 | 1.60 | 77.17 | 0.78 |
| | 27000 | 0.50 | 0.38 | 0.13 | 1.00 | 0.39 | 0.11 | 1.50 | | |
| $165,000 | 17000 | 0.84 | 0.33 | 0.18 | 1.35 | 0.41 | 0.11 | 1.87 | | |
| | 22000 | 0.65 | 0.37 | 0.15 | 1.17 | 0.41 | 0.11 | 1.69 | 82.15 | 0.84 |
| | 27000 | 0.53 | 0.40 | 0.14 | 1.07 | 0.41 | 0.11 | 1.59 | | |
| $175,000 | 17000 | 0.89 | 0.36 | 0.19 | 1.43 | 0.44 | 0.11 | 1.98 | | |
| | 22000 | 0.69 | 0.39 | 0.16 | 1.24 | 0.44 | 0.11 | 1.79 | 87.13 | 0.89 |
| | 27000 | 0.56 | 0.43 | 0.15 | 1.13 | 0.44 | 0.11 | 1.68 | | |

**Note**: Fuel costs are for diesel engines. For gasoline engines multiply fuel costs by 1.55.
Use standby charges when trucks costing $95,000 or less are used less than 60 km per day; trucks costing $105,000 to $145,000 are used less than 75 km per day ; or trucks costing $145,000 or more are used less than 100 km per day. Standby charges are based on fixed cost of ownership for 200 days per year. Adjust upwards if shorter periods of use per year are assumed.

**Average costs**: (net payload in brackets)

single axle with grain box (9 t) $45,000 to $65,000
tandem axle with grain box (16 t) $85,000 to $110,000
truck tractor with grain trailer (23 t) $125,000 to $140,000
truck tractor with grain trailer (40 t) $130,000 to $160,000

# APPENDIX

## 1) Depreciation and Interest Rate Calculations:

Depreciation Rates

| | 1st year | all other years | remaining value after 15 years |
|---|---|---|---|
| Tractors | 15% | 12.0% | 14.2% |
| Trucks, tillage and harvesting equip. | 18% | 14.4% | 9.3% |
| Hay and forage equipment | 20% | 16.0% | 7.0% |

Interest costs are based on the average value of the machine over a 15 year life, using annual depreciated values calculated from the above rates. The interest costs are calculated using the beginning value for each year. (see Table below).

## Depreciation and Interest Cost Table for $100,000 tractor (interest rate 4%)

| Year | Depreciation rate | Depreciation | Value | Interest |
|---|---|---|---|---|
| 0 | 15% | | $100,000 | |
| 1 | 12% | $15,000 | $85,000 | $4,000 |
| 2 | 12% | $10,200 | $74,800 | $3,400 |
| 3 | 12% | $8,976 | $65,824 | $2,992 |
| 4 | 12% | $7,899 | $57,925 | $2,633 |
| 5 | 12% | $6,951 | $50,974 | $2,317 |
| 6 | 12% | $6,117 | $44,857 | $2,039 |
| 7 | 12% | $5,383 | $39,474 | $1,794 |
| 8 | 12% | $4,737 | $34,737 | $1,579 |
| 9 | 12% | $4,168 | $30,569 | $1,389 |
| 10 | 12% | $3,668 | $26,901 | $1,223 |
| 11 | 12% | $3,228 | $23,673 | $1,076 |
| 12 | 12% | $2,841 | $20,832 | $947 |
| 13 | 12% | $2,500 | $18,332 | $833 |
| 14 | 12% | $2,200 | $16,132 | $733 |
| 15 | 12% | $1,936 | $14,196 | $645 |
| | 15 year average | $5,720 | $46,002 | $1,840 |

**Example**: Tractor costing $100,000 new. Average annual depreciation for 15 year life is $5720. Average annual interest cost at 4% interest rate is $1840.

| | | |
|---|---|---|
| Hourly depreciation at 450 hours/year | $5720/450= | $12.71 per hour |
| Hourly interest cost : | $1840/450= | $4.09 per hour |
| Insurance and housing cost is 1%/yr | $1000/450= | $2.22 per hour |
| **Total fixed costs:** | | **$19.02** per hour |

## 2) Grain Drying Example:

Stationary Batch(250 bu.),$50,000, 150 hr./yr, Wheat from 17% to 14.5% Ambient Temp. of -7 degrees C, Drying rate of 200 bu./hr.

| | |
|---|---|
| Custom Rate: (from Table on Page 12) | $54.07/hr. |
| Propane Cost: $0.05/bu. x 1.5 x 200 bu./hr.= | $15.00/hr. |
| **Total Custom Rate -** | **$69.07 / hr** |

## 3) Chart Formulas (pages 34 and 35):

Cost per hectare or acre = $\frac{\text{cost per hour}}{\text{hectares or acres per hour}}$

Hectares per hour = $\frac{\text{width in metres x speed in km/h x \% efficiency}}{10.0}$

Acres per hour = $\frac{\text{width in feet x speed in mph x \% efficiency}}{8.25}$

**Note**: (80% field efficiency is assumed in the charts)

To determine the cost or rate per hectare, acre, or bale, use the charts provided on the last two pages.

**Example No. 1.** Combine custom rate is $150/h; the combine covers 9 acres per hour. Cost per acre would be $16.67 (from chart on page 34).

**Example No. 2.** Seeding with an air seeder. The rental rate for the air seeder is $85/h and the tractor custom rate is $45/h. The total hourly rate = $130/h. The work rate is 8 ha/h. Rate per hectare = $16.25 (from chart on page 34).

**Example No. 3**. Baler making 14 bales per hour. Baler rental rate = $33/h. Tractor custom rate is $23/h. Total hourly rate = $56/h plus twine. Cost per bale = $4.00 plus twine. (from chart on page 35).

# DOLLARS PER HECTARE OR ACRE

| hectares or acres per hour | DOLLARS PER HOUR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | $10.00 | $15.00 | $20.00 | $25.00 | $30.00 | $35.00 | $40.00 | $45.00 | $50.00 | $55.00 | $60.00 |
| 2.0 | $5.00 | $7.50 | $10.00 | $12.50 | $15.00 | $17.50 | $20.00 | $22.50 | $25.00 | $27.50 | $30.00 |
| 2.5 | $4.00 | $6.00 | $8.00 | $10.00 | $12.00 | $14.00 | $16.00 | $18.00 | $20.00 | $22.00 | $24.00 |
| 3.0 | $3.33 | $5.00 | $6.67 | $8.33 | $10.00 | $11.67 | $13.33 | $15.00 | $16.67 | $18.33 | $20.00 |
| 3.5 | $2.86 | $4.29 | $5.71 | $7.14 | $8.57 | $10.00 | $11.43 | $12.86 | $14.29 | $15.71 | $17.14 |
| **4.0** | **$2.50** | **$3.75** | **$5.00** | **$6.25** | **$7.50** | **$8.75** | **$10.00** | **$11.25** | **$12.50** | **$13.75** | **$15.00** |
| 4.5 | $2.22 | $3.33 | $4.44 | $5.56 | $6.67 | $7.78 | $8.89 | $10.00 | $11.11 | $12.22 | $13.33 |
| 5.0 | $2.00 | $3.00 | $4.00 | $5.00 | $6.00 | $7.00 | $8.00 | $9.00 | $10.00 | $11.00 | $12.00 |
| 5.5 | $1.82 | $2.73 | $3.64 | $4.55 | $5.45 | $6.36 | $7.27 | $8.18 | $9.09 | $10.00 | $10.91 |
| **6.0** | **$1.67** | **$2.50** | **$3.33** | **$4.17** | **$5.00** | **$5.83** | **$6.67** | **$7.50** | **$8.33** | **$9.17** | **$10.00** |
| 6.5 | $1.54 | $2.31 | $3.08 | $3.85 | $4.62 | $5.38 | $6.15 | $6.92 | $7.69 | $8.46 | $9.23 |
| 7.0 | $1.43 | $2.14 | $2.86 | $3.57 | $4.29 | $5.00 | $5.71 | $6.43 | $7.14 | $7.86 | $8.57 |
| 7.5 | $1.33 | $2.00 | $2.67 | $3.33 | $4.00 | $4.67 | $5.33 | $6.00 | $6.67 | $7.33 | $8.00 |
| **8.0** | **$1.25** | **$1.88** | **$2.50** | **$3.13** | **$3.75** | **$4.38** | **$5.00** | **$5.63** | **$6.25** | **$6.88** | **$7.50** |
| 8.5 | $1.18 | $1.76 | $2.35 | $2.94 | $3.53 | $4.12 | $4.71 | $5.29 | $5.88 | $6.47 | $7.06 |
| 9.0 | $1.11 | $1.67 | $2.22 | $2.78 | $3.33 | $3.89 | $4.44 | $5.00 | $5.56 | $6.11 | $6.67 |
| 9.5 | $1.05 | $1.58 | $2.11 | $2.63 | $3.16 | $3.68 | $4.21 | $4.74 | $5.26 | $5.79 | $6.32 |
| **10.0** | **$1.00** | **$1.50** | **$2.00** | **$2.50** | **$3.00** | **$3.50** | **$4.00** | **$4.50** | **$5.00** | **$5.50** | **$6.00** |
| 10.5 | $0.95 | $1.43 | $1.90 | $2.38 | $2.86 | $3.33 | $3.81 | $4.29 | $4.76 | $5.24 | $5.71 |
| 11.0 | $0.91 | $1.36 | $1.82 | $2.27 | $2.73 | $3.18 | $3.64 | $4.09 | $4.55 | $5.00 | $5.45 |
| 11.5 | $0.87 | $1.30 | $1.74 | $2.17 | $2.61 | $3.04 | $3.48 | $3.91 | $4.35 | $4.78 | $5.22 |
| **12.0** | **$0.83** | **$1.25** | **$1.67** | **$2.08** | **$2.50** | **$2.92** | **$3.33** | **$3.75** | **$4.17** | **$4.58** | **$5.00** |
| 12.5 | $0.80 | $1.20 | $1.60 | $2.00 | $2.40 | $2.80 | $3.20 | $3.60 | $4.00 | $4.40 | $4.80 |
| 13.0 | $0.77 | $1.15 | $1.54 | $1.92 | $2.31 | $2.69 | $3.08 | $3.46 | $3.85 | $4.23 | $4.62 |
| 13.5 | $0.74 | $1.11 | $1.48 | $1.85 | $2.22 | $2.59 | $2.96 | $3.33 | $3.70 | $4.07 | $4.44 |
| **14.0** | **$0.71** | **$1.07** | **$1.43** | **$1.79** | **$2.14** | **$2.50** | **$2.86** | **$3.21** | **$3.57** | **$3.93** | **$4.29** |
| 14.5 | $0.69 | $1.03 | $1.38 | $1.72 | $2.07 | $2.41 | $2.76 | $3.10 | $3.45 | $3.79 | $4.14 |
| 15.0 | $0.67 | $1.00 | $1.33 | $1.67 | $2.00 | $2.33 | $2.67 | $3.00 | $3.33 | $3.67 | $4.00 |
| 15.5 | $0.65 | $0.97 | $1.29 | $1.61 | $1.94 | $2.26 | $2.58 | $2.90 | $3.23 | $3.55 | $3.87 |
| **16.0** | **$0.63** | **$0.94** | **$1.25** | **$1.56** | **$1.88** | **$2.19** | **$2.50** | **$2.81** | **$3.13** | **$3.44** | **$3.75** |
| 16.5 | $0.61 | $0.91 | $1.21 | $1.52 | $1.82 | $2.12 | $2.42 | $2.73 | $3.03 | $3.33 | $3.64 |
| 17.0 | $0.59 | $0.88 | $1.18 | $1.47 | $1.76 | $2.06 | $2.35 | $2.65 | $2.94 | $3.24 | $3.53 |
| 17.5 | $0.57 | $0.86 | $1.14 | $1.43 | $1.71 | $2.00 | $2.29 | $2.57 | $2.86 | $3.14 | $3.43 |
| 18.0 | $0.56 | $0.83 | $1.11 | $1.39 | $1.67 | $1.94 | $2.22 | $2.50 | $2.78 | $3.06 | $3.33 |

| hectares or acres per hour | DOLLARS PER HOUR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | $70.00 | $80.00 | $90.00 | $100.00 | $110.00 | $120.00 | $130.00 | $140.00 | $150.00 | $160.00 | $170.00 |
| 4.0 | $17.50 | $20.00 | $22.50 | $25.00 | $27.50 | $30.00 | $32.50 | $35.00 | $37.50 | $40.00 | $42.50 |
| 4.5 | $15.56 | $17.78 | $20.00 | $22.22 | $24.44 | $26.67 | $28.89 | $31.11 | $33.33 | $35.56 | $37.78 |
| 5.0 | $14.00 | $16.00 | $18.00 | $20.00 | $22.00 | $24.00 | $26.00 | $28.00 | $30.00 | $32.00 | $34.00 |
| 5.5 | $12.73 | $14.55 | $16.36 | $18.18 | $20.00 | $21.82 | $23.64 | $25.45 | $27.27 | $29.09 | $30.91 |
| **6.0** | **$11.67** | **$13.33** | **$15.00** | **$16.67** | **$18.33** | **$20.00** | **$21.67** | **$23.33** | **$25.00** | **$26.67** | **$28.33** |
| 6.5 | $10.77 | $12.31 | $13.85 | $15.38 | $16.92 | $18.46 | $20.00 | $21.54 | $23.08 | $24.62 | $26.15 |
| 7.0 | $10.00 | $11.43 | $12.86 | $14.29 | $15.71 | $17.14 | $18.57 | $20.00 | $21.43 | $22.86 | $24.29 |
| 7.5 | $9.33 | $10.67 | $12.00 | $13.33 | $14.67 | $16.00 | $17.33 | $18.67 | $20.00 | $21.33 | $22.67 |
| **8.0** | **$8.75** | **$10.00** | **$11.25** | **$12.50** | **$13.75** | **$15.00** | **$16.25** | **$17.50** | **$18.75** | **$20.00** | **$21.25** |
| 8.5 | $8.24 | $9.41 | $10.59 | $11.76 | $12.94 | $14.12 | $15.29 | $16.47 | $17.65 | $18.82 | $20.00 |
| 9.0 | $7.78 | $8.89 | $10.00 | $11.11 | $12.22 | $13.33 | $14.44 | $15.56 | $16.67 | $17.78 | $18.89 |
| 9.5 | $7.37 | $8.42 | $9.47 | $10.53 | $11.58 | $12.63 | $13.68 | $14.74 | $15.79 | $16.84 | $17.89 |
| **10.0** | **$7.00** | **$8.00** | **$9.00** | **$10.00** | **$11.00** | **$12.00** | **$13.00** | **$14.00** | **$15.00** | **$16.00** | **$17.00** |
| 10.5 | $6.67 | $7.62 | $8.57 | $9.52 | $10.48 | $11.43 | $12.38 | $13.33 | $14.29 | $15.24 | $16.19 |
| 11.0 | $6.36 | $7.27 | $8.18 | $9.09 | $10.00 | $10.91 | $11.82 | $12.73 | $13.64 | $14.55 | $15.45 |
| 11.5 | $6.09 | $6.96 | $7.83 | $8.70 | $9.57 | $10.43 | $11.30 | $12.17 | $13.04 | $13.91 | $14.78 |
| **12.0** | **$5.83** | **$6.67** | **$7.50** | **$8.33** | **$9.17** | **$10.00** | **$10.83** | **$11.67** | **$12.50** | **$13.33** | **$14.17** |
| 12.5 | $5.60 | $6.40 | $7.20 | $8.00 | $8.80 | $9.60 | $10.40 | $11.20 | $12.00 | $12.80 | $13.60 |
| 13.0 | $5.38 | $6.15 | $6.92 | $7.69 | $8.46 | $9.23 | $10.00 | $10.77 | $11.54 | $12.31 | $13.08 |
| 13.5 | $5.19 | $5.93 | $6.67 | $7.41 | $8.15 | $8.89 | $9.63 | $10.37 | $11.11 | $11.85 | $12.59 |
| **14.0** | **$5.00** | **$5.71** | **$6.43** | **$7.14** | **$7.86** | **$8.57** | **$9.29** | **$10.00** | **$10.71** | **$11.43** | **$12.14** |
| 14.5 | $4.83 | $5.52 | $6.21 | $6.90 | $7.59 | $8.28 | $8.97 | $9.66 | $10.34 | $11.03 | $11.72 |
| 15.0 | $4.67 | $5.33 | $6.00 | $6.67 | $7.33 | $8.00 | $8.67 | $9.33 | $10.00 | $10.67 | $11.33 |
| 15.5 | $4.52 | $5.16 | $5.81 | $6.45 | $7.10 | $7.74 | $8.39 | $9.03 | $9.68 | $10.32 | $10.97 |
| **16.0** | **$4.38** | **$5.00** | **$5.63** | **$6.25** | **$6.88** | **$7.50** | **$8.13** | **$8.75** | **$9.38** | **$10.00** | **$10.63** |
| 16.5 | $4.24 | $4.85 | $5.45 | $6.06 | $6.67 | $7.27 | $7.88 | $8.48 | $9.09 | $9.70 | $10.30 |
| 17.0 | $4.12 | $4.71 | $5.29 | $5.88 | $6.47 | $7.06 | $7.65 | $8.24 | $8.82 | $9.41 | $10.00 |
| 17.5 | $4.00 | $4.57 | $5.14 | $5.71 | $6.29 | $6.86 | $7.43 | $8.00 | $8.57 | $9.14 | $9.71 |
| **18.0** | **$3.89** | **$4.44** | **$5.00** | **$5.56** | **$6.11** | **$6.67** | **$7.22** | **$7.78** | **$8.33** | **$8.89** | **$9.44** |
| 18.5 | $3.78 | $4.32 | $4.86 | $5.41 | $5.95 | $6.49 | $7.03 | $7.57 | $8.11 | $8.65 | $9.19 |
| 19.0 | $3.68 | $4.21 | $4.74 | $5.26 | $5.79 | $6.32 | $6.84 | $7.37 | $7.89 | $8.42 | $8.95 |
| 19.5 | $3.59 | $4.10 | $4.62 | $5.13 | $5.64 | $6.15 | $6.67 | $7.18 | $7.69 | $8.21 | $8.72 |
| 20.0 | $3.50 | $4.00 | $4.50 | $5.00 | $5.50 | $6.00 | $6.50 | $7.00 | $7.50 | $8.00 | $8.50 |

## DOLLARS PER BALE

| bales per hour | DOLLARS PER HOUR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | $45.00 | $50.00 | $55.00 | $60.00 | $65.00 | $70.00 | $75.00 | $80.00 | $85.00 | $90.00 | $95.00 |
| 10 | $4.50 | $5.00 | $5.50 | $6.00 | $6.50 | $7.00 | $7.50 | $8.00 | $8.50 | $9.00 | $9.50 |
| 12 | $3.75 | $4.17 | $4.58 | $5.00 | $5.42 | $5.83 | $6.25 | $6.67 | $7.08 | $7.50 | $7.92 |
| 14 | $3.21 | $3.57 | $3.93 | $4.29 | $4.64 | $5.00 | $5.36 | $5.71 | $6.07 | $6.43 | $6.79 |
| 16 | $2.81 | $3.13 | $3.44 | $3.75 | $4.06 | $4.38 | $4.69 | $5.00 | $5.31 | $5.63 | $5.94 |
| 18 | $2.50 | $2.78 | $3.06 | $3.33 | $3.61 | $3.89 | $4.17 | $4.44 | $4.72 | $5.00 | $5.28 |
| 20 | $2.25 | $2.50 | $2.75 | $3.00 | $3.25 | $3.50 | $3.75 | $4.00 | $4.25 | $4.50 | $4.75 |
| 22 | $2.05 | $2.27 | $2.50 | $2.73 | $2.95 | $3.18 | $3.41 | $3.64 | $3.86 | $4.09 | $4.32 |
| 24 | $1.88 | $2.08 | $2.29 | $2.50 | $2.71 | $2.92 | $3.13 | $3.33 | $3.54 | $3.75 | $3.96 |
| 26 | $1.73 | $1.92 | $2.12 | $2.31 | $2.50 | $2.69 | $2.88 | $3.08 | $3.27 | $3.46 | $3.65 |
| 28 | $1.61 | $1.79 | $1.96 | $2.14 | $2.32 | $2.50 | $2.68 | $2.86 | $3.04 | $3.21 | $3.39 |
| 30 | $1.50 | $1.67 | $1.83 | $2.00 | $2.17 | $2.33 | $2.50 | $2.67 | $2.83 | $3.00 | $3.17 |
| 100 | $0.45 | $0.50 | $0.55 | $0.60 | $0.65 | $0.70 | $0.75 | $0.80 | $0.85 | $0.90 | $0.95 |
| 125 | $0.36 | $0.40 | $0.44 | $0.48 | $0.52 | $0.56 | $0.60 | $0.64 | $0.68 | $0.72 | $0.76 |
| 150 | $0.30 | $0.33 | $0.37 | $0.40 | $0.43 | $0.47 | $0.50 | $0.53 | $0.57 | $0.60 | $0.63 |
| 175 | $0.26 | $0.29 | $0.31 | $0.34 | $0.37 | $0.40 | $0.43 | $0.46 | $0.49 | $0.51 | $0.54 |
| 200 | $0.23 | $0.25 | $0.28 | $0.30 | $0.33 | $0.35 | $0.38 | $0.40 | $0.43 | $0.45 | $0.48 |
| 225 | $0.20 | $0.22 | $0.24 | $0.27 | $0.29 | $0.31 | $0.33 | $0.36 | $0.38 | $0.40 | $0.42 |
| 250 | $0.18 | $0.20 | $0.22 | $0.24 | $0.26 | $0.28 | $0.30 | $0.32 | $0.34 | $0.36 | $0.38 |
| 275 | $0.16 | $0.18 | $0.20 | $0.22 | $0.24 | $0.25 | $0.27 | $0.29 | $0.31 | $0.33 | $0.35 |
| 300 | $0.15 | $0.17 | $0.18 | $0.20 | $0.22 | $0.23 | $0.25 | $0.27 | $0.28 | $0.30 | $0.32 |
| 325 | $0.14 | $0.15 | $0.17 | $0.18 | $0.20 | $0.22 | $0.23 | $0.25 | $0.26 | $0.28 | $0.29 |
| 350 | $0.13 | $0.14 | $0.16 | $0.17 | $0.19 | $0.20 | $0.21 | $0.23 | $0.24 | $0.26 | $0.27 |
| 375 | $0.12 | $0.13 | $0.15 | $0.16 | $0.17 | $0.19 | $0.20 | $0.21 | $0.23 | $0.24 | $0.25 |
| 400 | $0.11 | $0.13 | $0.14 | $0.15 | $0.16 | $0.18 | $0.19 | $0.20 | $0.21 | $0.23 | $0.24 |

## HECTARES PER HOUR

at 80% field efficiency

| speed in km / h | WIDTH IN METRES | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 | 10.0 | 11.0 | 12.0 |
| 4 | 0.64 | 0.96 | 1.28 | 1.60 | 1.92 | 2.24 | 2.56 | 2.88 | 3.20 | 3.52 | 3.84 |
| 5 | 0.80 | 1.20 | 1.60 | 2.00 | 2.40 | 2.80 | 3.20 | 3.60 | 4.00 | 4.40 | 4.80 |
| 6 | 0.96 | 1.44 | 1.92 | 2.40 | 2.88 | 3.36 | 3.84 | 4.32 | 4.80 | 5.28 | 5.76 |
| 7 | 1.12 | 1.68 | 2.24 | 2.80 | 3.36 | 3.92 | 4.48 | 5.04 | 5.60 | 6.16 | 6.72 |
| 8 | 1.28 | 1.92 | 2.56 | 3.20 | 3.84 | 4.48 | 5.12 | 5.76 | 6.40 | 7.04 | 7.68 |
| 9 | 1.44 | 2.16 | 2.88 | 3.60 | 4.32 | 5.04 | 5.76 | 6.48 | 7.20 | 7.92 | 8.64 |
| 10 | 1.60 | 2.40 | 3.20 | 4.00 | 4.80 | 5.60 | 6.40 | 7.20 | 8.00 | 8.80 | 9.60 |
| 11 | 1.76 | 2.64 | 3.52 | 4.40 | 5.28 | 6.16 | 7.04 | 7.92 | 8.80 | 9.68 | 10.56 |
| 12 | 1.92 | 2.88 | 3.84 | 4.80 | 5.76 | 6.72 | 7.68 | 8.64 | 9.60 | 10.56 | 11.52 |
| 13 | 2.08 | 3.12 | 4.16 | 5.20 | 6.24 | 7.28 | 8.32 | 9.36 | 10.40 | 11.44 | 12.48 |
| 14 | 2.24 | 3.36 | 4.48 | 5.60 | 6.72 | 7.84 | 8.96 | 10.08 | 11.20 | 12.32 | 13.44 |
| 15 | 2.40 | 3.60 | 4.80 | 6.00 | 7.20 | 8.40 | 9.60 | 10.80 | 12.00 | 13.20 | 14.40 |
| 16 | 2.56 | 3.84 | 5.12 | 6.40 | 7.68 | 8.96 | 10.24 | 11.52 | 12.80 | 14.08 | 15.36 |
| 17 | 2.72 | 4.08 | 5.44 | 6.80 | 8.16 | 9.52 | 10.88 | 12.24 | 13.60 | 14.96 | 16.32 |
| 18 | 2.88 | 4.32 | 5.76 | 7.20 | 8.64 | 10.08 | 11.52 | 12.96 | 14.40 | 15.84 | 17.28 |

## ACRES PER HOUR

at 80% field efficiency

| speed in mph | WIDTH IN FEET | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 6.0 | 10.0 | 14.0 | 18.0 | 22.0 | 26.0 | 30.0 | 34.0 | 38.0 | 42.0 | 46.0 |
| 3 | 1.75 | 2.91 | 4.07 | 5.24 | 6.40 | 7.57 | 8.73 | 9.89 | 11.06 | 12.22 | 13.39 |
| 4 | 2.33 | 3.88 | 5.43 | 6.98 | 8.54 | 10.09 | 11.64 | 13.19 | 14.74 | 16.30 | 17.85 |
| 5 | 2.91 | 4.85 | 6.79 | 8.73 | 10.67 | 12.61 | 14.55 | 16.49 | 18.43 | 20.37 | 22.31 |
| 6 | 3.49 | 5.82 | 8.15 | 10.48 | 12.80 | 15.13 | 17.46 | 19.79 | 22.12 | 24.44 | 26.77 |
| 7 | 4.07 | 6.79 | 9.51 | 12.22 | 14.94 | 17.65 | 20.37 | 23.09 | 25.80 | 28.52 | 31.23 |
| 8 | 4.66 | 7.76 | 10.86 | 13.97 | 17.07 | 20.18 | 23.28 | 26.38 | 29.49 | 32.59 | 35.70 |
| 9 | 5.24 | 8.73 | 12.22 | 15.71 | 19.21 | 22.70 | 26.19 | 29.68 | 33.17 | 36.67 | 40.16 |
| 10 | 5.82 | 9.70 | 13.58 | 17.46 | 21.34 | 25.22 | 29.10 | 32.98 | 36.86 | 40.74 | 44.62 |
| 11 | 6.40 | 10.67 | 14.94 | 19.21 | 23.47 | 27.74 | 32.01 | 36.28 | 40.55 | 44.81 | 49.08 |
| 12 | 6.98 | 11.64 | 16.30 | 20.95 | 25.61 | 30.26 | 34.92 | 39.58 | 44.23 | 48.89 | 53.54 |

# NOTES and CALCULATIONS

MG 3526

Prepared by Manitoba Agriculture, Food and Rural Initiatives.